



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20050010

Agency Interest No. 288

Mr. Kelly B. Serio
Vice President/Plant Manager
PO Box 271
Baton Rouge, LA 70821-0271

RE: Initial Part 70 Operating Permit, Formosa Plastics Corporation, Louisiana - Vinyl Chloride Monomer Plant, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Kelly B. Serio:

This is to inform you that the initial Part 70 permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

'0

*For
public
notice*

CCB:mv
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
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This is to inform you that the initial Part 70 permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

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Done this _____ day of _____, 2006.

Permit No.: 0840-00002-V0

Sincerely,

Chuck Carr Brown Ph.D.

Assistant Secretary

CCB:mv

c: EPA Region VI

ENVIRONMENTAL SERVICES

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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vinyl Chloride Monomer Plant
Agency Interest No.: 288; PER20050010
Formosa Plastics Corporation-Louisiana
Baton Rouge, East Baton Rouge Parish, Louisiana

I. Background

Formosa Plastics Corporation (FPC) Louisiana operates the Baton Rouge Facility located on Gulf States Road in East Baton Rouge Parish, Louisiana. The Baton Rouge Facility includes five operating units: Polyvinyl Chloride (PVC), Utilities, Caustic Chlorine (CCN), Vinyl Chloride Monomer 1 (VCM 1), and Vinyl Chloride Monomer 2 (VCM 2). FPC is permanently shutting down the CCN Unit and its VCM 1 Unit, and, therefore, these existing units will not be permitted. This application includes the re-designation of the VCM 2 Unit as the VCM Unit.

The FPC Baton Rouge Plant currently operates under State Air Permit No. 0840-00002-10, issued March 7, 1997.

This initial Part 70 operating air permit is for the VCM Unit and facility-wide wastewater emissions.

II. Origin

FPC began submitting updates to the initial facility-wide application (dated September 25, 1996) in August 2000 in an effort to obtain individual Title V permits for each operating unit. FPC submitted a permit application and Emission Inventory Questionnaire dated August 31, 2005 requesting an initial Part 70 operating permit. Additional information incorporating updates to the application submitted for the Vinyl Chloride Monomer Plant dated October 12, 2005, January 30, 2006, and February 27, 2006 was also received.

III. Description

The FPC Baton Rouge Facility consists of several units that generate power, steam, vinyl chloride monomer (VCM), and PVC. The VCM Unit produces VCM from 1,2-dichloroethane (EDC) and chlorine. EDC is fed to furnaces where it is converted to VCM and hydrochloric acid (HCl).

A series of columns, heat exchangers, and vessels, interconnected by piping and ancillary transfer equipment, are used to purify the VCM to required specifications for use as a produced feedstock. Several by-products, such as HCl and unreacted EDC, are recycled for reuse in the process. Product VCM is stored for subsequent transfer to the PVC Unit or may otherwise be shipped via rail cars.

Feedstocks and finished products are stored in fixed roof tanks and spheres. Raw materials may be received via barge, truck, and rail cars. Rail cars and tank trucks are used to deliver finished

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products to customers from the facility. Fugitive emissions from piping components and transfer equipment in the VCM Unit, as well as facility-wide wastewater emissions, are included as part of this process.

The VCM Unit also maintains necessary utilities equipment to aid in process operations, such as cooling towers and control and recovery devices. Incinerators at the FPC Baton Rouge Facility receive vent streams from reactors, columns, tanks, and vents from decontamination of equipment in the VCM Unit and other parts of the facility.

FPC proposes the permanent shutdown of the VCM 1 and CCN Units. As a result of the shutdown of the VCM 1 Unit, FPC is also proposing to construct and install technologically advanced equipment, including:

- A new reactor train;
- Columns;
- A furnace;
- Two new cooling tower cells;
- An incinerator; and
- Ancillary equipment such as piping and upgrades to its distributed control system.

The proposed installation of equipment in the VCM Unit will provide new improved technology which will contribute to a significant reduction of net emissions.

Additionally, FPC proposes that two existing caustic service tanks, T-82A and U-53A (Source IDs 244 and 247, respectively) will be converted to EDC service and process water service, respectively. Vents from these tanks will be controlled when in EDC service via the incinerators.

In addition to these modifications, several small projects are included in this permit.

- Chlorine (Cl_2) Railcar Unloading – This project includes the installation of a small chlorine vaporizer and piping changes to enable unloading of Cl_2 from railcars. Minor inorganic fugitive emissions associated with piping configuration changes are included in the VCM Unit Fugitive Emissions (Source ID 199).
- Wastewater Clarifiers – This project allows for the installation of two clarifiers to enhance recovery of PVC from wastewater. This minor emissions associated with this equipment have been added to the Wastewater Emissions (Source ID 234).

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Estimated emissions in tons per year are as follows:

Pollutant	Proposed
PM ₁₀	46.66
SO ₂	1.07
NO _x	127.29
CO	97.19
VOC*	98.55

***VOC LAC 33:III Chapter 51 Toxic Air
Pollutants (TAPs):**

Pollutant	Proposed
1,1,1 - Trichloroethane	0.69
1,1,2,2-Tetrachloroethane	0.19
1,1,2 – Trichloroethane	2.09
1,1 – Dichloroethane	0.71
1,2 - Dichloroethane	43.86
Benzene	0.70
Bromoform	<0.001
Carbon Tetrachloride	0.91
Chlorobenzene	0.02
Chloroethane	0.87
Chloroform	1.36
Chloroprene	0.70
Dichloromethane	0.34
Methyl Chloride	0.43
Tetrachloroethylene	1.18
Trichloroethylene	1.81
Vinyl Chloride	16.26
Total	72.12

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Non VOC TAPs	Proposed
Ammonia	2.56
Chlorinated Dibenz-p-dioxins	0.000002
Chlorinated Dibenzofurans	0.00003
Chlorine	60.61
Hydrochloric Acid	10.19
Total	73.36
Other VOC (TPY):	26.44

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations. New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) apply. Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review NNSR do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on XXX XX, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXX XX, 2006.

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The draft permit was also submitted to US EPA Region VI on XXX XX, 2006. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

VIII. General Condition XVII Activities

FPC has identified activities that meet the requirements of General Permit Condition XVII. The activities which FPC has identified for the Vinyl Chloride Monomer Plant include:

Work Activity	Schedule	Emission Rates - tons			
		PM ₁₀	SO ₂	NO _x	CO
Sampling/Laboratory Activities	Daily				0.81
Equipment Preparation	100 times/yr			<0.001	2.89
Tank Maintenance	87 times/yr				1.61
Vessel Maintenance	165 times/yr				4.03
Furnace Maintenance	16 times/yr				4.39
Reactor Maintenance	16 times/yr				
Reactor Loading	660 drums/yr	<0.001		0.20	3.48
Reboiler Cleaning	80 cleanings/yr				4.94
Column Cleaning	30 cleanings/yr				2.47
Vaporizer Cleaning	16 cleanings/yr				2.20
Pipeline Cleaning	2 times/day				4.66
Turnaround Emissions	1/yr				4.37
Tank Car Area Maintenance					0.41

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IX. Insignificant Activities

ID No.:	Description	Citation
-	3 Seal Oil Tanks (1,2-Dichlorethane)	LAC 33:III.501.B.5.A.2
NT-601 A/B	10% HCl Storage Tanks	LAC 33:III.501.B.5.D
MF-901 A/B	10% HCl Storage Tanks	LAC 33:III.501.B.5.D
2 - CCN Plant	10% HCl Storage Tanks	LAC 33:III.501.B.5.D
Biotreatment Plant	10% HCl Storage Tanks	LAC 33:III.501.B.5.D
Biotreatment Plant	Sulfuric Acid Tank	LAC 33:III.501.B.5.D

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No. :	Description	LAC 33:III Chapter																			
		5▲	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	22*	29*	51*	56	59
GRP29	Facility Wide (VCM Unit)	1	1	1	1					1								1	1	1	1
EQT 55	01-04 – Cooling Tower					1															1
GRP017	230 – Furnace Emissions Cap																				
EQT 79	230A – Furnace A	1	1	1												2	3	1	1	1	
EQT 80	230B – Furnace B	1	1	1												2	3	1	1	1	
EQT 81	230C – Furnace C	1	1	1												2	3	1	1	1	
EQT 82	230D – Furnace D	1	1	1												2	3	1	1	1	
GRP018	231 – Incinerator Emissions Cap																				
EQT 83	231A – Incinerator A	1	1	1																	
EQT 84	231B – Incinerator B	1	1	1														2	1		
EQT 85	231C – Incinerator C	1	1	1														2	1		
EQT 86	232 – VCM Cooling Tower	1																			
EQT 87	234 – Wastewater Emissions															3		1			
EQT 88†	241A – EDC Separation Train																		1		
EQT 89†	241B – EDC Separation Train																		1		
EQT 90†	241C – EDC Separation Train																		1		
EQT 91†	241D – EDC Separation Train																		1		
EQT 92†	241E – EDC Separation Train																		1		
EQT 93†	241F – EDC Separation Train																		1		
EQT 94†	241G – EDC Separation Train																		1		

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		5▲	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	22*	29*	51*	56	59
EQT 95†	241H - EDC Separation Train						1													1	
EQT 96†	244A - EDC Storage Tank						1													1	
EQT 97†	244B - EDC Storage Tank						1												1		
EQT 98†	244C - EDC Storage Tank						1												1		
EQT 99†	244D - EDC Storage Tank						1											1			
EQT 100†	244E - EDC Storage Tank						1										1				
EQT 101†	244F - EDC Storage Tank						1										1				
EQT 102†	245A - Heavy Ends Storage Tanks						1										1				
EQT 103†	245B - Heavy Ends Storage Tanks						1										1				
EQT 104†	246 - Heavy Ends Storage Tank						1										1				
EQT 105†	247A - Process Water Storage Tanks						1										1				
EQT 106†	247B - Process Water Storage Tanks						1										1				
EQT 107†	247C - Process Water Storage Tanks						1										1				
EQT 108†	247D - Process Water Storage Tanks						1										1				
EQT 109†	247E - Process Water Storage Tanks						1										1				
EQT 110†	248A - Process Water Storage Tanks						1										1				
EQT 111†	248B - Process Water Storage Tanks						1										1				
EQT 112†	248C - Process Water Storage Tanks						1										1				
EQT 113†	248D - Process Water Storage Tanks						1										1				
EQT 114†	248E - Process Water Storage Tanks						1										1				
EQT 115†	248F - Process Water Storage Tanks						1										1				

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		5▲	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	22*	29*	51*	56	59
EQT 116†	248G – Process Water Storage Tanks						1														1
EQT 117†	251 – Process Storage Tank						1														1
EQT 118	235 – EDC Purification													3	2						1
EQT 119	236 – VCM Purification												3	3							3
EQT 120	237 – HCl Hydrogenerator													3	3						3
EQT 121	238 – Oxychlorination Reactors												3	2	3					1	
EQT 122	239 – Reactor Quench Columns												3	2	3					1	
EQT 123	240 – Caustic Scrubbers													3	2	3				1	
EQT 124	242 – Degassing Tank						3							1						3	
EQT 125	243 – VCM Storage Spheres						3													3	
EQT 126	249 – Wastewater Strippers (AS-802B/C, NC-501)																2			1	
EQT 127	252 – Vinyl Loading																3			1	
EQT 128	253 – Heavy Ends Loading																			1	
EQT 129	254 – Vent Gas Holder																			1	
EQT 130	255 – Knock-Out Pots (NS-604, 605, 606, 607)																2	3		1	
FUG002	199 – VCM Unit Fugitive Emissions																1	1		1	

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

†These Emission Points normally vent through incinerators 230A – C and vent to the atmosphere during 240 hr/yr when the incinerators are out of service.

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table I. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60												40 CFR 61												40 CFR 63												40 CFR	
		A	D	Da	Db	Dc	K	Ka	Kb	III	GG	VV	NNN	RRR	A	F	M	V	FF	A	F	G	H	Q	U	XX	YY	EEEE	DDDDD	GGGGG	64	68	82						
GRP29	Facility Wide (VCM Unit)	1													1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1	1						
EQT 55	.01-04 - Cooling Tower																																						
EQT 79	230A - Furnace A	3	3	3	3																																		
EQT 80	230B - Furnace B	3	3	3	3																																		
EQT 81	230C - Furnace C	3	3	3	3																																		
EQT 82	230D - Furnace D	3	3	3	3																																		
EQT 83	231A - Incinerator A	3	3	3	3																																		
EQT 84	231B - Incinerator B	3	3	3	3																																		
EQT 85	231C - Incinerator C	3	3	3	3																																		
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EQT 88†	241A - EDC Separation Train	3	3	3	3																																		
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EQT 93†	241F - EDC Separation Train	3	3	3	3																																		
EQT 94†	241G - EDC Separation Train	3	3	3	3																																		
EQT 95†	241H - EDC Separation Train	3	3	3	3																																		
EQT 96†	244A - EDC Storage Tanks	3	3	3	3																																		

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		A	D	Da	Db	Dc	K	Ka	Kb	III	GG	VV	NNN	RRR	A	F	M	V	FF	A	F	G	H	Q	U	XX	YY	EEEE	DDDD	GGGG	64	68
EQT 97†	244B—EDC Storage Tanks							3	3	3															1							
EQT 98†	244C—EDC Storage Tanks							3	3	3															1							
EQT 99†	244D—EDC Storage Tanks							3	3	3															1							
EQT 100†	244E—EDC Storage Tanks							3	3	3															1							
EQT 101†	244F—EDC Storage Tanks							3	3	3															1							
EQT 102†	245A—Heavy Ends Storage Tanks							3	3	3															3							
EQT 103†	245B—Heavy Ends Storage Tanks							3	3	3															3							
EQT 104†	246—Heavy Ends Storage Tank							3	3	3															3							
EQT 105†	247A—Process Water Storage Tanks							3	3	3															1							
EQT 106†	247B—Process Water Storage Tanks							3	3	3															1							
EQT 107†	247C—Process Water Storage Tanks							3	3	3															1							
EQT 108†	247D—Process Water Storage Tanks							3	3	3															1							
EQT 109†	247E—Process Water Storage Tanks							3	3	3															1							
EQT 110†	248A—Process Water Storage Tanks							3	3	3															1							
EQT 111†	248B—Process Water Storage Tanks							3	3	3															1							

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		A	D	Da	Db	Dc	K	Ka	Kb	III	GG	VV	NNN	RRR	A	F	M	V	FF	A	F	G	H	Q	U	XX	YY	EEEE	DDDD	GGGG	64	68	82				
EQT 128	253 – Heavy Ends Loading																																				
EQT 129	254 – Vent Gas Holder (NV-602)																																				
EQT 130	255 – Knock-Out Pots (NS-604, 605, 606, 607)																																				
FUG002	199 – VCM Unit Fugitive Emissions																																				

[†]These Emission Points normally vent through incinerators 230A – C and vent to the atmosphere during 240 hr/yr when the incinerators are out of service.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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ID No:	Requirement	Notes
GRP029 Facility Wide	NESHAP for Source Categories Subpart GGGG – Site Remediation NESHAP [40 CFR 43.7884(b)] NESHAP Part 63 for Source Categories Subpart U – Group I Polymers and Resins [40 CFR 63.482]	EXEMPT - Any remediation activities that are completed within 30 days are exempt, except for documentation required by §63.7884(b). DOES NOT APPLY - The facility does not meet the definition of an elastomer product process unit.
	NESHAP for Source Categories Subpart XX – Ethylene Manufacturing Process Units: Heat Exchange Systems [40 CFR 63.1080 and 40 CFR 63.1103(e)]	DOES NOT APPLY - This process unit does not meet the definition of an ethylene production unit.
	NESHAP for Source Categories Subpart YY – Generic MACT – Ethylene Production [40 CFR 63.1100(a)]	DOES NOT APPLY - This process unit does not produce any products subject to the requirements of this regulation.
	NESHAP for Source Categories Subpart EEEE – Organic Liquids Distribution (Non-Gasoline) [40 CFR 63.2338(c)] Compliance Assurance Monitoring (CAM) [40 CFR Part 64]	EXEMPT - Any component of transfer operations, including storage tanks, transfer racks, or equipment leak components, that are subject to another NESHAP regulation are excluded from this section. DOES NOT APPLY - Sources subject to NESHAP regulations published after November 15, 1990, are exempt from the CAM Rule.

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ID No.	Requirement	Notes
EQT 55 01-04 Cooling Tower	NESHAP for Source Categories Subpart Q – Chromium Emissions from Industrial Process Cooling Towers [40 CFR 63.40(a)]	DOES NOT APPLY - No water treatment programs containing chromium compounds are at the facility.
EQT 79 - 82 230 A-D Furnaces	Limiting VOC Emissions from SOCMi Reactor Processes and Distillation Operations [LAC 33:III.2147]	EXEMPT - Any reactor process or distillation operation that is subject to the SOCMi HON, NSPS Subpart NNN, NSPS Subpart RRR is exempt per LAC 33:III.2147.A.2.g.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A.B]	DOES NOT APPLY - Does not meet the definition of a batch process.
	NSPS Subpart D – Standards of Performance for Fossil-Fueled-Fired Steam Generators [40 CFR 60.40(a) and 60.41(a)]	DOES NOT APPLY - The source does not meet the definition of a fossil-fuel-fired steam generating unit.
	NSPS Subpart Da – Standards of Performance for Electric Utility Steam Generating Units [40 CFR 60.40a]	DOES NOT APPLY - The unit does not meet the definition of an electric utility steam generating unit.
	NSPS Subpart Db – Standards of Performance for Industrial-Commercial – Institutional Steam Generating Units [40 CFR 60.40b]	DOES NOT APPLY - The source does not meet the definition of a steam generating unit.
	NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial – Institutional Steam Generating Units [40 CFR 60.40c]	DOES NOT APPLY - The source does not meet the definition of a steam generating unit.

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ID No.	Requirement	Notes
EQT 79 - 82 230 A-D Furnaces (Continued)	NSPS Subpart GG – Standards of Performance for Stationary Gas Turbines [40 CFR 60.331(a)] NSPS Subpart RRR – SOCMR Reactor Processes [40 CFR 60.701]	DOES NOT APPLY - Source does not meet the definition of a stationary gas turbine. DOES NOT APPLY - The owner or operator of any Group I HON process vent that is also subject to the provision of 40 CFR 60 Subpart RRR shall only comply with the provisions of the HON per 40 CFR 63.110(d)(7).
	NESHAP Subpart F – National Emission Standard for Vinyl chloride [40 CFR 61.60]	DOES NOT APPLY - The owner or operator of any Group I HON process vent that is also subject to the provision of 40 CFR 61 Subpart F shall only comply with the provisions of the HON per 40 CFR 63.110(f).
	NESHAP for Source Categories Subpart DDDDD – Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR 63.7506(b)]	DOES NOT APPLY - Units that are subject to regulation under another MACT standard are excluded from the requirements of this subpart. The furnaces (Source ID 230A, 230B, 230C, 230D) are part of the chemical manufacturing unit affected source as HON reactors per 40 CFR 63, Subpart G (HON). While these sources also meet the definition of process heaters per 40 CFR 63, Subpart DDDDD (Boiler MACT), the furnaces are not subject to the requirements of Subpart DDDDD in accordance with 40 CFR 63.7491(l)

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ID No:	Requirement	Notes
EQT 83 – 85 231 A-C Incinerators	Control of Emissions of NOx in the Baton Rouge Nonattainment Area and the Region of Influence STATE ONLY [LAC 33:III.2201]	EXEMPT - Incinerators are exempt from this regulation per LAC 33:III.2201.C.7.
	NSPS Subpart D – Standards of Performance for Fossil-Fueled-Fired Steam Generators [40 CFR 60.40(a) and 60.41(a)]	DOES NOT APPLY - The source does not meet the definition of a fossil-fuel-fired steam generating unit.
	NSPS Subpart Da – Standards of Performance for Electric Utility Steam Generating Units [40 CFR 60.40a]	DOES NOT APPLY - The unit does not meet the definition of an electric utility steam generating unit.
	NSPS Subpart Db – Standards of Performance for Industrial-Commercial – Institutional Steam Generating Units [40 CFR 60.40b]	DOES NOT APPLY - The source does not meet the definition of a steam generating unit.
	NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial – Institutional Steam Generating Units [40 CFR 60.40c]	DOES NOT APPLY - The source does not meet the definition of a steam generating unit.
	NESHAP for Source Categories Subpart DDDDD – Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR 63.7506(b)]	DOES NOT APPLY - Waste heat boilers that recover normally unused energy and convert it to usable heat are specifically excluded from the definition of an affected boiler under this subpart.

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ID No:	Requirement	Notes
EQT 86 232 – VCM Cooling Tower	NESHAP for Source Categories Subpart Q – Chromium Emissions from Industrial Process Cooling Towers [40 CFR 63.400(a)]	DOES NOT APPLY - No water treatment programs containing chromium compounds are at the facility.
EQT 87 234 – Wastewater Emissions	Control of Emission of Organic Compounds – Standards for Industrial Wastewater [LAC 33.III.2153.A]	DOES NOT APPLY - Wastewater streams do not meet the definition of affected VOC wastewater as determined in accordance with Subsection H.
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.65(b)(9)]	DOES NOT APPLY - Does not receive any untreated inprocess wastewater streams subject to Subpart F.
	NESHAP Subpart FF – National Emission Standard for Benzene Waste Operations [40 CFR 61.342(a)]	EXEMPT - FPC total annual benzene (TAB) quantity from facility waste is less than 10 Mg/yr and is exempt from the control requirements of this Subpart.
EQT 88 - 95 241 – EDC Separation Train	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Storage vessel has a capacity < 19,812 gallons.

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ID No:	Requirement	Notes
EQT 88 - 95 241 - EDC Separation Train (Continued)	NESHAP Subpart F – National Emission Standards for Vinyl Chloride [40 CFR 61.60] NESHAP Subpart G – Storage Vessel Provisions [40 CFR 63.101(b)]	DOES NOT APPLY - The equipment is not in vinyl chloride service.
EQT 96 – 101 244 – EDC Storage Tanks	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111] NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Does not meet the definition of a storage vessel. Storage vessel has capacity < 10,000 gallons. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Storage vessels classified as Group 1 or Group 2 under NESHAP Part 63 (SOCMII HON) Subpart G that is also subject to NSPS Subpart Kb is required to comply only with the provisions of the HON.
EQT 102 and EQT 103 245 A/B – Heavy Ends Storage Tanks	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111] NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.

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ID No.	Requirement	Notes
EQT 102 and EQT 103 245 A/B – Heavy Ends Storage Tanks (Continued)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)] NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60]	DOES NOT APPLY - Storage vessel has a capacity < 19,812 gallons. DOES NOT APPLY - The equipment is not in vinyl chloride service.
EQT 104 246 – Heavy Ends Storage Tank	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111] NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Storage vessels classified as Group 1 or Group 2 under NESHAP Part 63 (SOCMI HON) Subpart G that is also subject to NSPS Subpart Kb is required to comply only with the provisions of the HON.
EQT 105 - 109 247 A/B/C/D/E – Process Water Storage Tanks	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60] NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111]	DOES NOT APPLY - The equipment is not in vinyl chloride service. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.

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ID No:	Requirement	Notes
EQT 105 - 109 247 A/B/C/D/E – Process Water Storage Tanks (Continued)	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a] NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Storage vessels classified as Group 1 or Group 2 under NESHAP Part 63 (SOCMI HON) Subpart G that is also subject to NSPS Subpart Kb is required to comply only with the provisions of the HON.
EQT 110 - 116 248 A/B/C/D/E/F/G/H – Process Water Storage Tanks	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111] NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a] NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Storage vessel has a capacity < 19,812 gallons.
EQT 117 251 – Process Storage Tank	NESHAP Subpart G – Storage Vessel Provisions [40 CFR 63.101(b)] NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111]	DOES NOT APPLY - Does not meet the definition of a storage vessel. Storage vessel has capacity < 10,000 gallons. DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.

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ID No:	Requirement	Notes
EQT 117 251 – Process Storage Tank (Continued)	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a] NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid. DOES NOT APPLY - Storage vessels classified as Group 1 or Group 2 under NEHAP Part 63 (SOCMI HON) Subpart G that is also subject to NSPS Subpart Kb is required to comply only with the provisions of the HON.
EQT 118 235 – EDC Purification	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY - This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	EXEMPT - Any reactor process or distillation operation that is subject to the SOCMI HON, NSPS Subpart NNN, or NSPS Subpart RRR is not subject to the provisions of LAC 33:III.2147.
	NSPS Subpart NNN – SOCMI Distillation Processes [40 CFR 60.661]	DOES NOT APPLY - The owner or operator of any Group 1 HON process vent that is also subject to the provision of 40 CFR 60 Subpart NNN shall only comply with the provisions of the HON per 40 CFR 63.110(d)(4).

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ID No:	Requirement	Notes
EQT 118 235 – EDC Purification (Continued)	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60]	DOES NOT APPLY - The owner or operator of any Group 1 HON process vent that is also subject to the provision of 40 CFR 61 Subpart F shall only comply with the provisions of the HON per 40 CFR 63.110(f).
EQT 119 236 – VCM Purification	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY - Stream is a product stream and is not considered a waste gas. Stream is not discharged to the atmosphere
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	DOES NOT APPLY - There is no gas stream that is discharged directly to the atmosphere either directly or indirectly after diversion through other process equipment. Therefore, there are no vent streams from these columns.
	Comprehensive Toxic Air Pollutant Emission Control Program. STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY - Source does not emit any TAPs.
	NSPS Subpart NNN – SOCMI Distillation Processes [40 CFR 60.661]	DOES NOT APPLY - There is no gas stream that is discharged directly to the atmosphere either directly or indirectly after diversion through other process equipment. Therefore, there are no vent streams from these columns.
	NESHAP for Source Categories Subpart G – Process Vents [40 CFR 63.101]	DOES NOT APPLY - Does not meet the definition of process vent. The process stream remains in process and is not discharged to the atmosphere.

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ID No:	Requirement	Notes
EQT 120 237 - HCl Hydrogenator	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY - Does not meet the definition of a waste gas stream. Equipment is not in VOC service.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	DOES NOT APPLY - Process unit does not produce any of the SOCMI VOC chemicals listed in Table 8.
	Comprehensive Toxic Air Pollutant Emission Control Program. STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY - There is no vent stream to the atmosphere. The process stream continues on for further processing.
	NSPS Subpart RRR – SOCMI Reactor Processes [40 CFR 60.701]	DOES NOT APPLY - Does not meet the definition of a reactor process. Process unit does not produce any of the SOCMI chemicals listed in 40 CFR 60.707 as a product, co-product, by-product, or intermediate.
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.61]	DOES NOT APPLY - The equipment is not in vinyl chloride service.
	NESHAP for Source Categories Subpart G – Process Vents [40 CFR 63.101]	DOES NOT APPLY - This process unit is not part of a chemical manufacturing process unit subject to the HON. The primary product of the process unit is not listed in Table 1 to Part 63 Subpart F.

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ID No:	Requirement	Notes
EQT 121 - 238 Oxychlorination Reactors; EQT 122 – 239 Reactor Quench Columns; and EQT 123 – 240 Caustic Scrubbers	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY - This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	EXEMPT - Any reactor process or distillation operation that is subject to the SOCMI HON, NSPS Subpart NNN, or NSPS Subpart RRR is not subject to the provisions of LAC 33:III.2147.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A.B]	DOES NOT APPLY - Does not meet the definition of a batch process.
	NSPS Subpart III – SOCMI Air Oxidation Processes 40 CFR 60.610]	DOES NOT APPLY - The owner or operator of any Group 1 HON process vent that is also subject to the provision of 40 CFR 60 Subpart III shall only comply with the provisions of the HON per 40 CFR 63.110(d)(1).
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60]	DOES NOT APPLY - The owner or operator of any Group 1 HON process vent that is also subject to the provision of 40 CFR 61 Subpart F shall only comply with the provisions of the HON per 40 CFR 63.110(f).
EQT 124 242 – Degassing Tank	Control of Emission of Organic Compounds – Storage of VOC Compounds [LAC 33:III.2103.A]	DOES NOT APPLY – The capacity of this tank is capacity of less than 250 gal.

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ID No:	Requirement	Notes
EQT 124 242 – Degassing Tank (Continued)	Comprehensive Toxic Air Pollutant Emission Control Program. STATE ONLY [LAC 33:III.5109] NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111]	DOES NOT APPLY - This source does not emit any TAPs.
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NESHAP Subpart F – National Emission Standards for Vinyl Chloride [40 CFR 61.60]	DOES NOT APPLY - Storage vessel has a capacity < 19,812 gallons.
	NESHAP Subpart G – Storage Vessel Provisions [40 CFR 63.101(b)]	DOES NOT APPLY - The equipment is not in vinyl chloride service.
EQT 125 243 – VCM Storage Spheres	Control of Emission of Organic Compounds – Storage of VOC Compounds [LAC 33:III.2103.A]	DOES NOT APPLY - Does not meet the definition of a storage vessel. Storage vessel has capacity < 10,000 gallons. DOES NOT APPLY – Tank is a pressurized vessel capable of maintaining working pressures sufficient at all times under normal operating conditions to prevent vapor loss to the atmosphere.

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ID No:	Requirement	Notes
EQT 125 243 – VCM Storage Spheres (Continued)	Comprehensive Toxic Air Pollutant Emission Control Program. STATE ONLY [LAC 33:III.5109]	DOES NOT APPLY - Tank is a pressurized vessel capable of maintaining working pressures sufficient at all times under normal operating conditions to prevent vapor loss to the atmosphere.
	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids [40 CFR 60.111]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum [40 CFR 60.111a]	DOES NOT APPLY - Contents do not meet the definition of a petroleum liquid.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY - Storage vessel is a pressure vessel that operates in excess of 204.9 kPa with no emissions to the atmosphere.
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60]	EXEMPT - The equipment is in vinyl chloride service and does not create an off gas that meets the definition of exhaust gas. There is no vent to the atmosphere during normal operations.
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.64(a)(3) and 40 CFR 61.65(b)(5)]	EXEMPT – Emergency Venting – Emergency venting, defined as a manual or relief discharge that could not have been avoided by taking measures to prevent discharge, is excluded from the relief valve discharge and manual venting emission standard provisions of this subpart.

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ID No:	Requirement	Notes
EQT 125 243 – VCM Storage Spheres (Continued)	NESHAP for Source Categories Subpart F and G – Transfer Operations Provisions [40 CFR 63.101(b)]	DOES NOT APPLY - Definition of storage vessel does not include pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
EQT 126 249 – Wastewater Strippers	Control of Emission of Organic Compounds – Standards for Industrial Wastewater [LAC 33:III.2153.G.6]	EXEMPT - Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to the wastewater provisions of the HON (Subpart G) is exempt from this section.
	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.60]	DOES NOT APPLY - The owner or operator of any Group 1 HON process vent that is also subject to the provisions of 40 CFR 61 Subpart F shall only comply with the provisions of the HON per 40 CFR 63.110(f).
	NESHAP Subpart FF – National Emission Standard for Benzene Waste Operations [40 CFR 61.342(a)]	EXEMPT - FPC total annual benzene (TAB) quantity from facility waste is less than 10 Mg/yr and is exempt from the control requirements of this Subpart.
EQT 127 252 – Vinyl Loading	Control of Emission of Organic Compounds – Marine Vapor Recovery LAC 33:III.2108.A	DOES NOT APPLY - This loading facility is not a marine loading operation.
	NESHAP for Source Categories Subpart F and G – Transfer Operations Provisions [40 CFR 63.101(b)]	DOES NOT APPLY - The definition of HON transfer operations does not include loading at an operating pressure greater than 204.9 kPa.
EQT 128 253 – Heavy Ends Loading	Control of Emission of Organic Compounds – Marine Vapor Recovery LAC 33:III.2108.A	DOES NOT APPLY - This loading facility is not a marine loading operation.

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ID No.	Requirement	Notes
EQT 128 253 – Heavy Ends Loading (Continued)	NESHAP Subpart F – National Emission Standard for Vinyl Chloride [40 CFR 61.65(b)(1)]	DOES NOT APPLY - This equipment is not in vinyl chloride service.
EQT 129 254 – Vent Gas Holder and	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	EXEMPT - Vent stream has a combined VOC weight of 100 lbs or less in any continuous 24-hr period. Recordkeeping and Reporting per LAC 33:III.2115.K.4.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	DOES NOT APPLY - Does not meet the definition of a process vent. Vent stream is not discharged from an air oxidation reactor, other reactor, or distillation unit.
	NESHAP for Source Categories Subpart G – Process Vents [40 CFR 63.101]	DOES NOT APPLY - Does not meet the definition of a process vent. Vent stream is not discharged from an air oxidation reactor, other reactor, or distillation unit.
	Control of Emission of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.A.2.g]	DOES NOT APPLY - Does not meet the definition of a process vent. Vent stream is not discharged from an air oxidation reactor, other reactor, or distillation unit.
EQT 130 255 – Knock-Out Pots (NS-604, 605, 606, 607)	Control of Emission of Organic Compounds – Waste Gas Disposal [LAC 33:III.2115]	EXEMPT - Vent stream has a combined VOC weight of 100 lbs or less in any continuous 24-hr period. Recordkeeping and Reporting per LAC 33:III.2115.K.4.
	NESHAP for Source Categories Subpart G – Process Vents [40 CFR 63.101]	DOES NOT APPLY - Does not meet the definition of a process vent. Vent stream is not discharged from an air oxidation reactor, other reactor, or distillation unit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Vinyl Chloride Monomer Plant
Agency Interest No.: 288; PER20050010
Formosa Plastics Corporation Louisiana
Baton Rouge, East Baton Rouge Parish, Louisiana

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.

[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period

encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

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P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. ~~Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:~~

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information

40 CFR PART 70 GENERAL CONDITIONS

is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal-of-quarterly-reports-shall-be-no-later-than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

40 CFR PART 70 GENERAL CONDITIONS

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 25, 1996. Additional information dated August 2000, August 31, 2005, October 12, 2005, January 30, 2006, and February 27, 2006 was also received
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Environmental Compliance, Surveillance Division with a written report as specified below.

- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
 1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

APPENDIX A
PART 70 SPECIFIC CONDITION
STREAMLINED FUGITIVES PROGRAM

VCM UNIT
AGENCY INTEREST 288; PER20050010
FORMOSA PLASTICS CORPORATION, LOUISIANA
BATON ROUGE, BATON ROUGE PARISH, LOUISIANA

1. Permittee shall comply with all applicable requirements listed in the attached tables. Failure to comply with any of the federal applicable requirements or compliance monitoring devices, activities, or methods listed in Tables 2, 3, and 4 will represent a violation of this permit.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Consolidated	Stream Applicability	Overall Most Significant Program
199 VCM Unit Fugitive Emissions	40 CFR 63 Subpart H	Streams containing 5% VOHAP	40 CFR 63 Subpart H ¹ (HON)
	40 CFR 61 Subpart V	Streams containing 10% VOHAP	
	40 CFR 60 Subpart VV	Streams containing 10% VOC	
	LAC 33:III.2122	Streams containing 10% VOC	

¹Based on an analysis of monitoring and record keeping requirements, 40 CFR 63 Subpart H is determined to be the most stringent requirement.

**APPENDIX A
PART 70 SPECIFIC CONDITION
STREAMLINED FUGITIVES PROGRAM**

**VCM UNIT
AGENCY INTEREST 288; PER20050010
FORMOSA PLASTICS CORPORATION, LOUISIANA
BATON-ROUGE, BATON-ROUGE-PARISH, LOUISIANA**

2. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported-to-the-Office-of-Environmental-Services,-Permits-Division-by-inclusion with each period monitoring report. Fugitive emission components may be added to or removed from the permitted unit, without triggering the need to apply for a permit modification, provided:
 - a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves;
 - b. The changes do not involve any associate increase in production rate or capacity, or tie in of new or modified process equipment other than the components;
 - c. Actual emissions following the changes will not exceed the emissions limits contained in this permit; and
 - d. The components are promptly incorporated into any applicable leak detection and repair program.

General Information

AI ID: 288 Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
annual ADVF		Formosa Plastics Corp LA	Asbestos	01-01-1980
0840-00002		Formosa Plastics Corp Louisiana - Baton Rouge Plant	CDS Number	08-05-2002
0840-0002		Formosa Plastics Corp Louisiana - Baton Rouge Plant	Emission Inventory	03-03-2004
72-0905077		Federal Tax ID	Federal Tax ID	11-20-1999
Comp Order		Formosa Plastics Corp LA	Groundwater	03-01-2000
LAD04-1224932		Formosa Plastics Corp LA	Hazardous Waste Notification	08-01-1980
PC/CA		GPRAS Baselines	Hazardous Waste Permitting	10-01-1997
LA0006149		WPC File Number	LPDES Permit #	05-22-2003
WP0714		WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-4042-L01		Radioactive Material License	Radiation License Number	10-02-2000
GD-033-1210		Formosa Plastics Corp LA	Solid Waste Facility No.	01-08-2002
38878		Formosa Plastics Corp LA	TEMPO Merge	10-31-2000
83205		Formosa Plastics Corp	TEMPO Merge	10-31-2000
0840-0002		Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
70805FRMSPGULFS		TRI #	Toxic Release Inventory	07-13-2004
Physical Location:		north end of Gulf States Rd Baton Rouge, LA 70805	Main FAX: 2253568808 Main Phone: 2253563341	
Mailing Address:		PO Box 271 Baton Rouge, LA 708210271		
Location of Front Gate:		30° 30' 6" 2 hundredths latitude, 91° 11' 9" 0 hundredths longitude, . Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27		
Related People:		Name	Mailing Address	Relationship
		Rusty Daigle	PO Box 271 Baton Rouge, LA 708210271	Radiation Safety Officer for
		Rusty Daigle	PO Box 271 Baton Rouge, LA 708210271	Radiation Safety Officer for
		Rusty Daigle	PO Box 271 Baton Rouge, LA 708210271	Radiation Safety Officer for
		Rusty Daigle	PO Box 271 Baton Rouge, LA 708210271	Radiation Safety Officer for
		Rusty Daigle	PO Box 271 Baton Rouge, LA 708210271	Radiation Safety Officer for
		Kelly B. Serto	PO Box 271 Baton Rouge, LA 708210271	Responsible Official for
		Omer Wolff	PO Box 271 Baton Rouge, LA 708210271	Air Permit Contact For
		Omer Wolff	PO Box 271 Baton Rouge, LA 708210271	Haz. Waste Billing Party for
		Omer Wolff	PO Box 271 Baton Rouge, LA 708210271	Accident Prevention Billing Party for
Related Organizations:		Name	Address	Relationship
		Formosa Plastics Corp LA	PO Box 271 Baton Rouge, LA 708210271	Water Billing Party for
		Formosa Plastics Corp LA	PO Box 271 Baton Rouge, LA 708210271	Owns

General Information

AI ID: 288 Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Formosa Plastics Corp LA	PO Box 271 Baton Rouge, LA 708210271		Operates
	Formosa Plastics Corp LA	PO Box 271 Baton Rouge, LA 708210271		Air Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT055	01-04 - Cooling Tower	1100 gallons/min				8760 hr/yr (All Year)
EQT079	230A - Furnace A	54.4 MM BTU/hr				8760 hr/yr (All Year)
EQT080	230B - Furnace B	54.4 MM BTU/hr				8760 hr/yr (All Year)
EQT081	230C - Furnace C	54.4 MM BTU/hr				8760 hr/yr (All Year)
EQT082	230D - Furnace D	88 MM BTU/hr				8760 hr/yr (All Year)
EQT083	231A - Incinerator A	60 MM BTU/hr				8760 hr/yr (All Year)
EQT084	231B - Incinerator B	60 MM BTU/hr				8760 hr/yr (All Year)
EQT085	231C - Incinerator C	60 MM BTU/hr				8760 hr/yr (All Year)
EQT086	232 - VCM Unit Cooling Tower	154000 gallons/min				8760 hr/yr (All Year)
EQT087	234 - Wastewater Emissions					8760 hr/yr (All Year)
EQT088	241A - EDC Separation Train	6300 gallons				8760 hr/yr (All Year)
EQT089	241B - EDC Separation Train	6300 gallons				8760 hr/yr (All Year)
EQT090	241C - EDC Separation Train	6300 gallons				8760 hr/yr (All Year)
EQT091	241D - EDC Separation Train	6300 gallons				8760 hr/yr (All Year)
EQT092	241E - EDC Separation Train	730 gallons				8760 hr/yr (All Year)
EQT093	241F - EDC Separation Train	730 gallons				8760 hr/yr (All Year)
EQT094	241G - EDC Separation Train	3600 gallons				8760 hr/yr (All Year)
EQT095	241H - EDC Separation Train	3600 gallons				8760 hr/yr (All Year)
EQT096	244A - EDC Storage Tank	2.6 million gallons				8760 hr/yr (All Year)
EQT097	244B - EDC Storage Tank	2.6 million gallons				8760 hr/yr (All Year)
EQT098	244C - EDC Storage Tank	2.6 million gallons				8760 hr/yr (All Year)
EQT099	244D - EDC Storage Tank	850000 gallons				8760 hr/yr (All Year)
EQT100	244E - EDC Storage Tank	850000 gallons				8760 hr/yr (All Year)
EQT101	244F - EDC Storage Tank	850000 gallons				8760 hr/yr (All Year)
EQT102	245A - Heavy Ends Storage Tank	12000 gallons				8760 hr/yr (All Year)
EQT103	245B - Heavy Ends Storage Tank	12000 gallons				8760 hr/yr (All Year)
EQT104	246 - Heavy Ends Storage Tank	135000 gallons				8760 hr/yr (All Year)
EQT105	247A - Process Water Storage Tank	2.6 million gallons				8760 hr/yr (All Year)
EQT106	247B - Process Water Storage Tank	61000 gallons				8760 hr/yr (All Year)
EQT107	247C - Process Water Storage Tank	61000 gallons				8760 hr/yr (All Year)
EQT108	247D - Process Water Storage Tank	2.6 million gallons				8760 hr/yr (All Year)
EQT109	247E - Process Water Storage Tank	850000 gallons				8760 hr/yr (All Year)
EQT110	248A - Process Water Storage Tank	3800 gallons				8760 hr/yr (All Year)
EQT111	248B - Process Water Storage Tank	1200 gallons				8760 hr/yr (All Year)
EQT112	248C - Process Water Storage Tank	600 gallons				8760 hr/yr (All Year)
EQT113	248D - Process Water Storage Tank	1800 gallons				8760 hr/yr (All Year)
EQT114	248E - Process Water Storage Tank	1800 gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PIER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT115	248F - Process Water Storage Tank	140 gallons				8760 hr/yr (All Year)
EQT116	248G - Process Water Storage Tank	600 gallons				8760 hr/yr (All Year)
EQT117	251 - Process Storage Tank	850000 gallons				8760 hr/yr (All Year)
EQT118	235 - EDC Purification					8760 hr/yr (All Year)
EQT119	236 - VCM Purification					8760 hr/yr (All Year)
EQT120	237 - HCl Hydrogenator					8760 hr/yr (All Year)
EQT121	238 - Oxychlorination Reactors					8760 hr/yr (All Year)
EQT122	239 - Reactor Quench Columns					8760 hr/yr (All Year)
EQT123	240 - Caustic Scrubbers					8760 hr/yr (All Year)
EQT124	242 - Degassing Tank					8760 hr/yr (All Year)
EQT125	243 - VCM Storage Spheres					8760 hr/yr (All Year)
EQT126	249 - Wastewater Strippers (AS-802B/C, NC-501)					8760 hr/yr (All Year)
EQT127	252 - Vinyl Loading					8760 hr/yr (All Year)
EQT128	253 - Heavy Ends Loading					8760 hr/yr (All Year)
EQT129	254 - Vent Gas Holder					8760 hr/yr (All Year)
EQT130	255 - Knock-Out Pots (NS-604, 605, 606, 607)					8760 hr/yr (All Year)
FUG002	199 - VCM Unit Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP017	230A-D - Furnace Emissions [Cap]	EQT79 230A - Furnace A
GRP017	230A-D - Furnace Emissions [Cap]	EQT80 230B - Furnace B
GRP017	230A-D - Furnace Emissions [Cap]	EQT81 230C - Furnace C
GRP017	230A-D - Furnace Emissions [Cap]	EQT82 230D - Furnace D
GRP018	231A-C - Incinerator Emissions [Cap]	EQT83 231A - Incinerator A
GRP018	231A-C - Incinerator Emissions [Cap]	EQT84 231B - Incinerator B
GRP018	231A-C - Incinerator Emissions [Cap]	EQT85 231C - Incinerator C
GRF019	241A-H - EDC Separation Train	EQT88 241A - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT89 241B - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT90 241C - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT91 241D - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT92 241E - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT93 241F - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT94 241G - EDC Separation Train
GRF019	241A-H - EDC Separation Train	EQT95 241H - EDC Separation Train
GRF020	244A-F - EDC Storage Tanks	EQT96 244A - EDC Storage Tank

INVENTORIES

AJ ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP020 244A-F -EDC Storage Tanks		EQT97 244B - EDC Storage Tank
GRP020 244A-F -EDC Storage Tanks		EQT98 244C - EDC Storage Tank
GRP020 244A-F -EDC Storage Tanks		EQT99 244D - EDC Storage Tank
GRP020 244A-F -EDC Storage Tanks		EQT100 244E - EDC Storage Tank
GRP020 244A-F -EDC Storage Tanks		EQT101 244F - EDC Storage Tank
GRP021 247A-E - Process Water Storage Tanks		EQT105 247A - Process Water Storage Tank
GRP021 247A-E - Process Water Storage Tanks		EQT106 247B - Process Water Storage Tank
GRP021 247A-E - Process Water Storage Tanks		EQT107 247C - Process Water Storage Tank
GRP021 247A-E - Process Water Storage Tanks		EQT108 247D - Process Water Storage Tank
GRP021 247A-E - Process Water Storage Tanks		EQT109 247E - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT110 248A - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT111 248B - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT112 248C - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT113 248D - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT114 248E - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT115 248F - Process Water Storage Tank
GRP022 248A-G -Process Water Storage Tanks		EQT116 248G - Process Water Storage Tank
GRP023 245A and 245B - Heavy Ends Storage Tanks		EQT102 245A - Heavy Ends Storage Tank
GRP023 245A and 245B - Heavy Ends Storage Tanks		EQT103 245B - Heavy Ends Storage Tank
GRP024 Cooling Towers		EQT55 01-04 - Cooling Tower
GRP024 Cooling Towers		EQT86 232 - VCM Unit Cooling Tower
GRP029 VCM Unit		EQT87 234 - Wastewater Emissions
GRP029 VCM Unit		EQT104 246 - Heavy Ends Storage Tank
GRP029 VCM Unit		EQT117 251 - Process Storage Tank
GRP029 VCM Unit		EQT118 235 - EDC Purification
GRP029 VCM Unit		EQT119 236 - VCM Purification
GRP029 VCM Unit		EQT120 237 - HCl Hydrogenator
GRP029 VCM Unit		EQT121 238 - Oxychlorination Reactors
GRP029 VCM Unit		EQT122 239 - Reactor Quench Columns
GRP029 VCM Unit		EQT123 240 - Caustic Scrubbers
GRP029 VCM Unit		EQT124 242 - Degassing Tank
GRP029 VCM Unit		EQT125 243 - VCM Storage Spheres
GRP029 VCM Unit		EQT126 249 - Wastewater Strippers (AS-802B/C, NC-501)
GRP029 VCM Unit		EQT127 252 - Vinyl Loading
GRP029 VCM Unit		EQT128 253 - Heavy Ends Loading
GRP029 VCM Unit		EQT129 254 - Vent Gas Holder
GRP029 VCM Unit		EQT130 255 - Knock-Out Pots (NS-604, 605, 606, 607)

INVENTORIES

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP029	VCM Unit	FUG2 199 - VCM Unit Fugitive Emissions
GRP029	VCM Unit	GRP17 230A-D - Furnace Emissions [Cap]
GRP029	VCM Unit	GRP18 231A-C - Incinerator Emissions [Cap]
GRP029	VCM Unit	GRP19 241A-H - EDC Separation Train
GRP029	VCM Unit	GRP20 244A-F - EDC Storage Tanks
GRP029	VCM Unit	GRP21 247A-E - Process Water Storage Tanks
GRP029	VCM Unit	GRP22 248A-G - Process Water Storage Tanks
GRP029	VCM Unit	GRP23 245A and 245B - Heavy Ends Storage Tanks
GRP029	VCM Unit	GRP24 Cooling Towers

Relationships:

Subject Item	Relationship	Subject Item
EQT88 241A - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT89 241B - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT90 241C - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT91 241D - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT92 241E - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT93 241F - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT94 241G - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT95 241H - EDC Separation Train	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT96 244A - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT97 244B - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT98 244C - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT99 244D - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT100 244E - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT101 244F - EDC Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT102 245A - Heavy Ends Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT103 245B - Heavy Ends Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT104 246 - Heavy Ends Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT105 247A - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT106 247B - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT107 247C - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT108 247D - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT109 247E - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT110 248A - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT111 248B - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
EQT112 248C - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]

INVENTORIES

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Relationships:

Relationship:	Subject Item	Relationship	Subject Item
	EQT13 248D - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT14 248E - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT15 248F - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT16 248G - Process Water Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT17 251 - Process Storage Tank	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT18 235 - EDC Purification	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT21 238 - Oxychlorination Reactors	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT22 239 - Reactor Quench Columns	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT23 240 - Caustic Scrubbers	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT24 242 - Degassing Tank	Controlled by	GRP17 230A-D - Furnace Emissions [Cap]
	EQT26 249 - Wastewater Strippers (AS-802B/C, NC-501)	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT27 252 - Vinyl Loading	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT28 253 - Heavy Ends Loading	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT29 254 - Vent Gas Holder	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]
	EQT30 255 - Knock-Out Pots (NS-604, 605, 606, 607)	Controlled by	GRP18 231A-C - Incinerator Emissions [Cap]

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT079 230A - Furnace A	13.8	16262	50		130	380
EQT080 230B - Furnace B	13.8	16262	50		130	380
EQT081 230C - Furnace C	13.8	16262	50		130	380
EQT083 231A - Incinerator A	40	17000	3		60	140
EQT084 231B - Incinerator B	40	17000	3		60	140
EQT088 241A - EDC Separation Train					12	
EQT089 241B - EDC Separation Train					12	
EQT090 241C - EDC Separation Train					12	
EQT091 241D - EDC Separation Train					5	
EQT092 241E - EDC Separation Train					5	
EQT093 241F - EDC Separation Train					5	
EQT094 241G - EDC Separation Train					5	
EQT095 241H - EDC Separation Train					5	
EQT096 244A - EDC Storage Tank					40	
EQT097 244B - EDC Storage Tank					40	
EQT098 244C - EDC Storage Tank					40	
EQT099 244D - EDC Storage Tank					40	
EQT100 244E - EDC Storage Tank					40	
EQT101 244F - EDC Storage Tank					40	
EQT102 245A - Heavy Ends Storage Tank					17	
EQT103 245B - Heavy Ends Storage Tank					17	
EQT104 246 - Heavy Ends Storage Tank					26	

INVENTORIES

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT105	247A - Process Water Storage Tank				40	18
EQT106	247B - Process Water Storage Tank				18	18
EQT107	247C - Process Water Storage Tank				40	40
EQT108	247D - Process Water Storage Tank				40	40
EQT109	247E - Process Water Storage Tank				8	—
EQT110	248A - Process Water Storage Tank				3	8
EQT111	248B - Process Water Storage Tank				6	6
EOT112	248C - Process Water Storage Tank				12	12
EQT113	248D - Process Water Storage Tank				12	12
EQT114	248E - Process Water Storage Tank				6	6
EQT115	248F - Process Water Storage Tank				6	6
EQT116	248G - Process Water Storage Tank				40	40
EQT117	251 - Process Storage Tank					

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 055 01-04	0.04	0.05	0.16										0.02		0.09
EQT 079 230A		0.52			3.41			5.78				5.72			6.98
EQT 080 230B		0.52			3.41			5.78				5.72			6.98
EQT 081 230C		0.52			3.41			5.78				5.72			6.98
EQT 082 230D		0.84			5.51			8.45				9.25			7.21
EQT 083 231A		17.03			3.76			28.78				0.09			98.26
EQT 084 231B		17.03			3.76			28.78				0.09			98.26
EQT 085 231C		17.03			3.76			28.78				0.09			98.26
EQT 086 232	5.05	6.94	22.11									2.94			12.88
EQT 087 234												3.57			15.65
EQT 088 241A												0.08			0.01
EQT 089 241B												0.08			0.01
EQT 090 241C												0.08			0.01
EQT 091 241D												0.08			0.01
EQT 092 241E												0.02			0.003
EQT 093 241F												0.02			0.003
EQT 094 241G												0.08			0.01
EQT 095 241H												0.08			0.01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-000002-V0
 Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 096 244A													19.83		2.38
EQT 097 244B													19.92		2.39
EQT 098 244C													19.83		2.38
EQT 099 244D													16.92		2.03
EQT 100 244E													24.00		2.88
EQT 101 244F													25.08		3.01
EQT 102 245A													1.50		0.18
EQT 103 245B													1.50		0.18
EQT 104 246													14.67		1.76
EQT 105 247A													24.17		2.90
EQT 106 247B													1.08		0.13
EQT 107 247C													1.08		0.13
EQT 108 247D													24.08		2.89
EQT 109 247E													2.92		0.35
EQT 110 248A													0.08		0.01
EQT 111 248B													0.08		0.01
EQT 112 248C													0.01		0.001
EQT 113 248D													0.03		0.004

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 288 - Formosa Plastics Corp L Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 114 248E														0.03	0.004
EQT 115 248F										<	0.001		<	0.001	
EQT 116 248G											0.02			0.002	
EQT 117 251											16.92			2.03	
FUG 002 199													5.21		22.82
GRP 017 230	1.99	8.72	0.16	0.69	21.50	94.17	22.01	96.42						4.75	7.74
GRP 018 231	4.77	15.67	0.09	0.38	7.56	33.12	0.17	0.77					3.12		13.65

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 46.66 tons/yr

SO2: 1.07 tons/yr

NOx: 127.29 tons/yr

CO: 97.19 tons/yr

VOC: 98.55 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp L Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

		1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,2-Dichloroethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 055 01-04															0.10	0.42
EQT 083 231A	0.19			0.004			0.19			4.99					51.46	
EQT 084 231B	0.19			0.004			0.19			4.99					51.46	
EQT 085 231C	0.19			0.004			0.19			4.99					51.46	
EQT 086 232	< 0.001			< 0.001			0.002	< 0.001		0.002			0.002	0.70		3.07
EQT 087 234							0.02		0.07					0.77		3.39
EQT 088 241A													0.08			0.01
EQT 089 241B													0.08			0.01
EQT 090 241C													0.08			0.01
EQT 091 241D													0.08			0.01
EQT 092 241E													0.02			0.003
EQT 093 241F													0.02			0.003
EQT 094 241G													0.08			0.01
EQT 095 241H													0.08			0.01
EQT 096 244A													0.08			0.01
EQT 097 244B													19.83		2.38	
EQT 098 244C													19.83		2.38	
EQT 099 244D	< 0.001			< 0.001									13.83		1.66	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ammonia			Benzene			Bromoform			Carbon tetrachloride			Chlorinated dibenzo-p-dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 055 01-04															
EQT 083 231A					0.19							2.07			0.000001
EQT 084 231B					0.19							2.07			0.000001
EQT 085 231C					0.19							2.07			0.000001
EQT 086 232	< 0.001			0.002								0.002			0.01
EQT 087 234	0.58	2.56			< 0.001		< 0.001					0.04			0.18
EQT 088 241A															
EQT 089 241B															
EQT 090 241C															
EQT 091 241D															
EQT 092 241E															
EQT 093 241F															
EQT 094 241G															
EQT 095 241H															
EQT 096 244A															
EQT 097 244B															
EQT 098 244C												< 0.001		< 0.001	
EQT 099 244D															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

		Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroethane			Chloroform		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 055 01-04				0.17		0.73										
EQT 083 231A	0.000001				10.86			0.003				11.14				7.01
EQT 084 231B	0.000001				10.86			0.003				11.14				7.01
EQT 085 231C	0.000001				10.86			0.003				11.14				7.01
EQT 086 232		4.60				20.16				< 0.001			< 0.001		0.001	0.004
EQT 087 234					< 0.001		< 0.001			0.04			0.18		0.15	0.65
EQT 088 241A																
EQT 089 241B																
EQT 090 241C																
EQT 091 241D																
EQT 092 241E																
EQT 093 241F																
EQT 094 241G																
EQT 095 241H																
EQT 096 244A																
EQT 097 244B																
EQT 098 244C																
EQT 099 244D																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 238 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-Y0

Air - Title V Regular Permit Initial

All phases

Subject Item	Chloroprene			Dichloromethane			Hydrochloric acid			Methyl chloride			Tetrachloroethylene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 055 01-04															
EQT 083 231A	0.19			0.09			2.25			0.11					0.19
EQT 084 231B	0.19			0.09			2.25			0.11					0.19
EQT 085 231C	0.19			0.09			2.25			0.11					0.19
EQT 086 232	< 0.001			0.004			0.13			0.55	< 0.001		< 0.001	< 0.001	
EQT 087 234				0.001			0.01						0.03	0.01	
EQT 088 241A															0.06
EQT 089 241B															
EQT 090 241C															
EQT 091 241D															
EQT 092 241E															
EQT 093 241F															
EQT 094 241G															
EQT 095 241H															
EQT 096 244A															
EQT 097 244B															
EQT 098 244C															
EQT 099 244D															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 055 01-04				0.005		0.02
EQT 083 231A		0.48			19.43	
EQT 084 231B		0.48			19.43	
EQT 085 231C		0.48			19.43	
EQT 086 232	0.002		0.01	0.70		3.07
EQT 087 234				0.76		3.34
EQT 088 241A						
EQT 089 241B						
EQT 090 241C						
EQT 091 241D						
EQT 092 241E						
EQT 093 241F						
EQT 094 241G						
EQT 095 241H						
EQT 096 244A						
EQT 097 244B						
EQT 098 244C						
EQT 099 244D					3.08	0.37

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp L-Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

		1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,2-Dichloroethane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 100 244E													20.75			2.49
EQT 101 244F													21.92			2.63
EQT 102 245A	0.01	< 0.001	0.17	0.02									1.25			0.15
EQT 103 245B	0.01	< 0.001	0.17	0.02									1.25			0.15
EQT 104 246	0.08	0.01	1.58	0.19									13.08			1.57
EQT 105 247A													15.00			1.80
EQT 106 247B													0.83			0.10
EQT 107 247C													0.83			0.10
EQT 108 247D													14.92			1.79
EQT 109 247E													1.83			0.22
EQT 110 248A													0.08			0.01
EQT 111 248B													0.08			0.01
EQT 112 248C													0.01			0.001
EQT 113 248D													0.03			0.004
EQT 114 248E													0.03			0.004
EQT 115 248F													< 0.001			< 0.001
EQT 116 248G		< 0.001	< 0.001										0.02			0.002
EQT 117 251													13.83			1.66

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Ammonia										Benzene										Bromoform										Carbon tetrachloride										Chlorinated dibenzo-p-dioxins									
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year																																											
EQT 100 244E																																																	
EQT 101 244F																																																	
EQT 102 245A																																																	
EQT 103 245B																																																	
EQT 104 246																																																	
EQT 105 247A																																																	
EQT 106 247B																																																	
EQT 107 247C																																																	
EQT 108 247D																																																	
EQT 109 247E																																																	
EQT 110 248A																																																	
EQT 111 248B																																																	
EQT 112 248C																																																	
EQT 113 248D																																																	
EQT 114 248E																																																	
EQT 115 248F																																																	
EQT 116 248G																																																	
EQT 117 251																																																	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-000002-V0

Air - Title V Regular Permit Initial

All phases

		Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroethane			Chloroform		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 100 244E																
EQT 101 244F																
EQT 102 244A																
EQT 103 244B																
EQT 104 246																
EQT 105 247A																
EQT 106 247B																
EQT 107 247C																
EQT 108 247D																
EQT 109 247E																
EQT 110 248A																
EQT 111 248B																
EQT 112 248C																
EQT 113 248D																
EQT 114 248E																
EQT 115 248F																
EQT 116 248G																
EQT 117 251																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Chloroprene		Dichloromethane		Hydrochloric acid		Methyl chloride		Tetrachloroethylene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 100 244F									
EQT 101 244F									
EQT 102 245A									
EQT 103 245B									
EQT 104 246									
EQT 105 247A									
EQT 106 247B									
EQT 107 247C									
EQT 108 247D									
EQT 109 247E									
EQT 110 248A									
EQT 111 248B									
EQT 112 248C									
EQT 113 248D									
EQT 114 248E									
EQT 115 248F									
EQT 116 248G									
EQT 117 251									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 100 244E				3.92		0.47
EQT 101 244F				3.33		0.40
EQT 102 245A						
EQT 103 245B						
EQT 104 246						
EQT 105 247A				9.17		1.10
EQT 106 247B				0.25		0.03
EQT 107 247C				0.25		0.03
EQT 108 247D				9.17		1.10
EQT 109 247E				1.08		0.13
EQT 110 248A				0.02		0.002
EQT 111 248B				0.02		0.003
EQT 112 248C				< 0.001		< 0.001
EQT 113 248D				< 0.001		< 0.001
EQT 114 248E				0.01		0.001
EQT 115 248F				< 0.001		< 0.001
EQT 116 248G				< 0.001		< 0.001
EQT 117 251				3.08		0.37

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-000002-V0

Air - Title V Regular Permit Initial

All phases

	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane							
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 002 199			0.02		0.16	0.13	1.10	0.003	0.01	3.36		14.71
GRP 018 231	0.16		0.69	0.003		0.02	0.16	0.69	0.16	0.70	0.16	0.70

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-000002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ammonia			Benzene			Bromoform			Carbon tetrachloride			Chlorinated dibenzo-p-dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG002 199				0.003	0.01			0.01			0.03				
GRP018 231				0.16	0.69			0.16			0.69	0.0000005	5		0.000002

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp L Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroethane			Chloroform			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 002 199				0.02		0.10			0.001			0.003	0.001		0.004
GRP 018 231	0.00001		0.00003	9.05		39.62	0.003		0.01	0.16		0.69	0.16		0.70

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Chloroprene			Dichloromethane			Hydrochloric acid			Methyl chloride			Tetrachloroethylene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 002 199	< 0.001		0.001				0.33		1.43	< 0.001		< 0.001	0.04		0.33
GRP 018 231	0.16		0.69	0.07			0.33	1.87	8.21	0.09		0.40	0.16		0.70

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-Y0

Air - Title V Regular Permit Initial

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG002 199	0.01		0.04		1.17	5.12
GRP018 231	0.40		1.76	0.16		0.70

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 0.69 tons/yr
1,1,2,2-Tetrachloroethane: 0.19 tons/yr
1,1,2-Trichloroethane: 2.09 tons/yr
1,1-Dichloroethane: 0.71 tons/yr
1,2-Dichloroethane: 43.86 tons/yr
Ammonia: 2.56 tons/yr
Benzene: 0.70 tons/yr
Bromotform: <0.001 tons/yr
Carbon tetrachloride: 0.91 tons/yr
Chlorinated dibenzo-p-dioxins: 0.000002 tons/yr
Chlorinated dibenzofurans: 0.00003 tons/yr
Chlorine: 60.61 tons/yr
Chlorobenzene: 0.02 tons/yr
Chloorethane: 0.87 tons/yr
Chloroform: 1.36 tons/yr
Chloroprene: 0.70 tons/yr
Dichloromethane: 0.34 tons/yr
Hydrochloric acid: 10.19 tons/yr
Methyl chloride: 0.43 tons/yr
Tetrachloroethylene: 1.18 tons/yr
Trichloroethylene: 1.81 tons/yr
Vinyl chloride: 16.26 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
 Activity Number: PER20050010
 Permit Number: 0840-00002-V0
 Air - Title V Regular Permit Initial

EQT082 230D - Furnace D

- 1 Nitrogen oxides <= 0.08 lb/MMBTU. [LAC 33:III.2201.D.1]
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average

EQT087 234 - Wastewater Emissions

- 2 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the applicable wastewater requirements of 40 CFR 63.131 through 63.147 of HON Subpart G is MACT. [LAC 33:III.5109.A]
- 3 Comply with the applicable requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 4 Maintenance wastewater. Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]
- 5 Maintenance wastewater. Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]
- 6 Maintenance wastewater. Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]
- 7 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1) or (a)(1)(i), and (a)(1)(ii).
- Subpart G. [40 CFR 63.132(a)(1)]
- 8 Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Subpart G. [40 CFR 63.1132(c)]
- 9 Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]
- 10 Comply with the provisions of 40 CFR 63 Subpart G Table 35 for each item of equipment meeting all the criteria specified in 40 CFR 63.149(b) through (d) and either (e)(1) or (e)(2). Subpart G. [40 CFR 63.149(a)]

EQT104 246 - Heavy Ends Storage Tank

- 11 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]
 - Which Months: All Year Statistical Basis: None specified
- 12 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.E]
- 13 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.1 - 7, as applicable. [LAC 33:III.21.03.1]
- 14 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Storage Vessel Requirements of 40 CFR 63.100 & 63.119(a)(2) and (f) of HON Subparts F and G is MACT for this source. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

EQT104 246 - Heavy Ends Storage Tank

- 15 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.119(e). Subpart G. [40 CFR 63.119(a)(1)]
- 16 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.119(f), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.119(f). Subpart G. [40 CFR 63.119(a)(2)]
- 17 Submit Periodic Reports as required by 40 CFR 63.152(c). Include the information specified in 40 CFR 63.152(d), (e), (f), and (g) as applicable. Subpart G. [40 CFR 63.122(a)(4)]
- 18 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h) as applicable. Subpart G. [40 CFR 63.122(a)(5)]
- 19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT117 251 - Process Storage Tank

- 20 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]
Which Month: All Year Statistical Basis: None specified
- 21 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 22 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.11 - 7, as applicable. [LAC 33:III.2103.I]
- 23 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Storage Vessel Requirements of 40 CFR 63.1100 and 40 CFR 63.119(a)(2) and (f) of HON Subparts F and G is MACT for this source. [LAC 33:III.51.09.A]
- 24 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]
- 25 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.119(h). Subpart G. [40 CFR 63.119(a)(2)]
- 27 Submit Periodic Reports as required by 40 CFR 63.152(c). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g) as applicable. Subpart G. [40 CFR 63.122(a)(4)]
- 28 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h) as applicable. Subpart G. [40 CFR 63.122(a)(5)]
- 29 Include in Periodic Reports a description of any planned maintenance anticipated during next semi-annual period or that occurred during the previous semi-annual period and each occurrence when the monitored parameters were outside of the range documented in the NCS report, in accordance with 40 CFR 63.122(g). Subpart G. [40 CFR 63.122(g)(1)]
- 30 Maintain records showing tank dimensions and an analysis showing capacity. [40 CFR 63.123(a)]

SPECIFIC REQUIREMENTS

AID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-000002-V0

Air - Title V Regular Permit Initial

EQT117 251 - Process Storage Tank

- 31 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (1), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

EQT118 235 - EDC Purification

- 32 Any reactor process or distillation operation that is subject to the SOCMI HON, NSPS Subpart NNN, or NSPS Subpart RRR is not subject to the provisions of LAC 33.III.2147. [LAC 33.III.2147.A.2.g]

- 33 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Process Vent Requirements of 40 CFR 63.113 of HON Subpart G is MACT for this source. [LAC 33.III.5109.A]
- 34 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

- 35 Halogenated vent streams: Hydrogen halides and halogens >= 99 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified

- 36 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

- 37 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 38 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Months: All Year Statistical Basis: None specified

- 39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

- 40 Bypass lines must be continuously monitored for flow indication or a monthly visual inspection of car-seals must be conducted. Permittee shall record that the monthly visual inspection of the seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the by-pass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has broken. Subpart G Flow indication recordkeeping by inspection records monthly. [40 CFR 63.118(a)(4)]

- 41 Permittee shall submit to the Administrator Periodic Reports of all periods recorded under paragraph 40 CFR 63.118(a)(4) in which the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out. The recorded information shall be reported according to the schedule in 40 CFR 63.152. Subpart G. [40 CFR 63.118(f)(4)]

EQT121 238 - Oxidation Reactors

- 42 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Process Vent Requirements of 40 CFR 63.113 of HON Subpart G is MACT for this source. [LAC 33.III.5109.A]
- 43 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-000002-V0
Air - Title V Regular Permit Initial

EQT121. 238 - Oxychlorination Reactors

- 44 Halogenated vent streams: Hydrogen halides and halogens $\geq 99\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 45 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
- 46 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 47 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4)
- 48 Bypass lines must be continuously monitored for flow indication or a monthly visual inspection of car-seals must be conducted. Permittee shall record that the monthly visual through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 49 Bypass lines must be continuously monitored for flow indication or a monthly visual inspection of car-seals must be conducted. Permittee shall record that the monthly visual inspection of the seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the by-pass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has broken. Subpart G Flow indication recordkeeping by inspection records monthly. [40 CFR 63.118(a)(4)]
- 50 Permittee shall submit to the Administrator Periodic Reports of all periods recorded under paragraph 40 CFR 63.118(a)(4) in which the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out. The recorded information shall be reported according to the schedule in 40 CFR 63.152. Subpart G. [40 CFR 63.118(f)(4)]
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- ### EQT122. 239 - Reactor Quench Columns
- 51 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Process Vent Requirements of 40 CFR 63.113 of HON Subpart G is MACT for this source. [LAC 33:II.5109(A)]
Subpart G. [40 CFR 63.111(c)]
- 52 Organic HAP $\geq 98\%$ reduction by weight, or $\leq 20 \text{ ppmv}$, whichever is less stringent, as determined using the methods in 40 CFR 63.111(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 53 Halogenated vent streams: Hydrogen halides and halogens $\geq 99\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens $< 0.45 \text{ kg/hr}$, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 54 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
- 55 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 56 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

EQT122 239 - Reactor Quench Columns

58 Bypass lines must be continuously monitored for flow indication or a monthly visual inspection of the seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the by-pass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has broken. Subpart G Flow indication recordkeeping by inspection records monthly. [40 CFR 63.118(a)(4)]

59 Permittee shall submit to the Administrator Periodic Reports of all periods recorded under paragraph 40 CFR 63.118(a)(4) in which the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out. The recorded information shall be reported according to the schedule in 40 CFR 63.152. Subpart G. [40 CFR 63.118(f)(4)]

EQT123 240 - Caustic Scrubbers

60 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Process Vent Requirements of 40 CFR 63.113 of HON Subpart G is MACT for this source. [LAC 33:III.5109.A]

61 Organic HAP $\geq 98\%$ reduction by weight, or ≤ 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Month: All Year Statistical Basis: None specified

62 Halogenated vent streams: Hydrogen halides and halogens $\geq 99\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]

Which Month: All Year Statistical Basis: None specified

63 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

64 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

Which Month: All Year Statistical Basis: None specified

65 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

66 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

67 Permittee shall submit to the Administrator Periodic Reports of all periods recorded under paragraph 40 CFR 63.118(a)(4) in which the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out. The recorded information shall be reported according to the schedule in 40 CFR 63.152. Subpart G. [40 CFR 63.118(f)(4)]

EQT124 242 - Degassing Tank

68 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

EQT126 249 - Wastewater Strippers (AS-802B/C, NC-501)

69 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the process wastewater requirements of 40 CFR 63.132(a)(3) of HON Subpart G is MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

All ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

EQT126 249 - Wastewater Strippers (AS-802B/C, NC-501)

70 Inprocess wastewater (vinyl chloride > 10 ppm): Vinyl chloride <= 10 ppmw before being mixed with any other inprocess wastewater stream which contains less than 10 ppm vinyl chloride, before being exposed to the atmosphere; before being discharged to a wastewater treatment process; or before being discharged untreated as a wastewater.

Subpart F. [40 CFR 61.65(b)(9)(i)]

Which Months: All Year Statistical Basis: None specified

71 Inprocess wastewater: Duct any vinyl chloride removed from inprocess wastewater in accordance with 40 CFR 61.65(b)(9)(i) through a control system from which the concentration of vinyl chloride in the exhaust gases does not exceed 10 ppm (average for 3-hour period), or equivalent as provided in 40 CFR 61.66. Subpart F. [40 CFR 61.65(b)(9)(ii)]

72 Provide DEQ at least 30 days prior notice of an emission test to afford DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 61.67(b)]

73 Submit test results: Due before the close of the next business day following the determination of vinyl chloride emissions. Submit the results by registered letter. Subpart F. [40 CFR 61.67(e)]

74 Performance Test Data recordkeeping by electronic or hard copy as needed. Retain at the plant and make available, upon request, for inspection by DEQ, records of emission test results and other data needed to determine emissions. Retain records for a minimum of three years. Subpart F. [40 CFR 61.67(f)]

75 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]

76 Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Record the information specified in 40 CFR 61.71(a)(1) through (a)(4) and make it available for inspection to DEQ for a minimum of three years. Subpart F. [40 CFR 61.71(a)]

77 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

78 Halogenated vent streams: Hydrogen halides and halogens >= 99 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]

Which Months: All Year Statistical Basis: None specified

79 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

80 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

81 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with an organic HAP concentration of 50 ppmv or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]

82 GROUP 2 WASTEWATER STREAMS: Keep records and report information for Group 2 wastewater streams as required by 40 CFR 63.146(b)(1) and 63.147(b)(8). [40 CFR 63.132(a)(3)]

EQT127 252 - Vinyl Loading

83 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33.III.21.07.B]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

EQT127 252 - Vinyl Loading

- 84 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified
- 85 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]
- 86 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified
- 87 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]
- 88 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1
and 2. [LAC 33:III.2107.D]
- 89 Determine compliance with LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]
- 90 Loading and unloading lines. Vinyl chloride emissions from loading and unloading lines in vinyl chloride service which are opened to the atmosphere after each loading or unloading operation are to be minimized as follows:

- (i) After each loading or unloading operation and before opening a loading or unloading line to the atmosphere, the quantity of vinyl chloride in all parts of each loading or unloading line that are to be opened to the atmosphere is to be reduced so that the parts combined contain no greater than 0.0038 m³ (0.13 ft³) of vinyl chloride, at standard temperature and pressure; and
- (ii) Any vinyl chloride removed from a loading or unloading line in accordance with paragraph (b)(1)(i) of this section is to be ducted through a control system from which the concentration of vinyl chloride in the exhaust gases does not exceed 10 ppm (average for 3-hour period), or equivalent as provided in 40 CFR 61.66.
[40 CFR 61.65(b)(1)]
- 91 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(c) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]
- 92 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Record the information specified in 40 CFR 61.71(a)(1) through (a)(4) and make it available for inspection to DEQ for a minimum of three years. Subpart F. [40 CFR 61.71(a)]

EQT128 253 - Heavy Ends Loading

- 93 Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. [LAC 33:III.2107.B]
- 94 VOC, Total >= 90 % DRE, using a vapor disposal system. [LAC 33:III.2107.B]
Which Months: All Year Statistical Basis: None specified
- 95 Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. [LAC 33:III.2107.B]
- 96 VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks. [LAC 33:III.2107.C]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

EQT128 253 - Heavy Ends Loading

- 97 Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. [LAC 33:III.2107.C]
- 98 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. [LAC 33:III.2107.D]
- 99 Determine compliance with LAC 33:III.2107.B using the methods in LAC 33:III.2107.E.1 through 5, as appropriate. [LAC 33:III.2107.E]
- 100 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 101 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 102 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 103 Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]
- 104 Organic HAP $\geq 98\%$ reduction by weight or exit concentration ≤ 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(c)]
Which Months: All Year Statistical Basis: None specified
- 105 Load organic HAPs into only tank trucks and railcars which have a current certification in accordance with the U.S. Department of Transportation pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars; or have been demonstrated to be vapor-tight within the preceding 12 months, as determined by the procedures in 40 CFR 63.128(f). Subpart G. [40 CFR 63.126(e)]
- 106 Load organic HAPs to only tank trucks or railcars equipped with vapor collection equipment that is compatible with the transfer racks' vapor collection system. Subpart G. [40 CFR 63.126(f)]
- 107 Load organic HAPs to only tank trucks or railcars whose collection systems are connected to the transfer racks' vapor collection systems. Subpart G. [40 CFR 63.126(g)]
- 108 Ensure that no pressure-relief device in the transfer rack's vapor collection system or in the organic HAPs loading equipment of each tank truck or railcar shall begin to open during loading. Pressure relief devices needed for safety purposes are not subject to this requirement. Subpart G. [40 CFR 63.126(h)]
- 109 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

EQT129 254 - Vent Gas Holder

- 110 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]
- 111 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Record the information specified in 40 CFR 61.71 (a)(1) through (a)(4) and make it available for inspection to DEQ for a minimum of three years. Subpart F. [40 CFR 61.71(a)]

EQT130 255 - Knock-Out Pots (NS-604, 605, 606, 607)

- 112 Calculate the vinyl chloride content of emissions by best practical engineering judgment based on the discharge duration and known vinyl chloride concentrations in the affected equipment as determined in accordance with 40 CFR 61.67(h) or other acceptable method, for exhaust gases having emission limits that are subject to the requirement of 40 CFR 61.68(a) that are emitted to the atmosphere without passing through the control system and required vinyl chloride monitoring system. Subpart F. [40 CFR 61.68(d)]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-V0

Air - Title V Regular Permit Initial

EQT130 255 - Knock-Out Pots (NS-604, 605, 606, 607)

- 113 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]

FUG002 199 - VCM Unit Fugitive Emissions

- 114 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.211]

- 115 VOC, Total: monitored by leak detection and repair (LDAR) system at the regulation's specified frequency. Comply with the streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive requirements in Appendix A. [LAC 33:III.212, 40 CFR 61. Subpart V, 40 CFR 63. Subpart VV]

- 116 VOC, Total: Apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (40 CFR Subpart H - HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined. [LAC 33:III.2122, 40 CFR 60. Subpart VV, 40 CFR 61. Subpart V, 40 CFR 63. Subpart H]

- 117 VOC, Total: Use leak definitions and monitoring frequency based on the overall most stringent program (40 CFR 63, Subpart H - HON). Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters, some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules. [LAC 33:III.2122, 40 CFR 60. Subpart VV, 40 CFR 61. Subpart V, 40 CFR 63. Subpart H]

- 118 Comply with 40 CFR Part 63 (HON) by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. [LAC 33:III.501]

- 119 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the Formosa Plastics Corporation Air Toxics Compliance Plan, compliance with the requirements of 40 CFR 63 Subpart H, HON requirements for equipment leaks, constitutes MACT. [LAC 33:III.5109.A]

- 120 Operate a reliable and accurate vinyl chloride monitoring system in accordance with the specifications in 40 CFR 61.65(b)(8)(i) for detection of major leaks and identification of the general area of the plant where a leak is located. Subpart F. Implementation of the current NESHAP Leak Detection and Elimination Plan facilities compliances. [40 CFR 61.65(b)(8)(i)]

- 121 Calculate the vinyl chloride content of emissions by best practical engineering judgment based on the discharge duration and known vinyl chloride concentrations in the affected equipment as determined in accordance with 40 CFR 61.67(h) or other acceptable method, for exhaust gases having emission limits that are subject to the requirement of 40 CFR 61.68(a) that are emitted to the atmosphere without passing through the control system and required vinyl chloride monitoring system. Subpart F. [40 CFR 61.68(g)]

- 122 Identify each piece of equipment, subject to 40 CFR 63 Subpart H, in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

- 123 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

SPECIFIC REQUIREMENTS

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- 124 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.1.62(b) and 63.1.63(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III), pumps in food/medical service, or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1.63(c), if applicable. Subpart H. [40 CFR 63.1.63(b)(1)]
Which Month: All Year Statistical Basis: None specified
- 125 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.1.63(c), if applicable. Subpart H. [40 CFR 63.1.63(b)(3)]
Which Month: All Year Statistical Basis: None specified
- 126 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.1.63(c)(3) and 40 CFR 63.1.71, if applicable. Subpart H. [40 CFR 63.1.63(c)]
- 127 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.1.76, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak, if applicable. Subpart H. [40 CFR 63.1.63(d)(2)]
- 128 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.1.63(d)(4), if applicable. Subpart H. [40 CFR 63.1.63(d)(4)]
- 129 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.1.72, or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(1)]
- 130 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(2)]
Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(3)]
- 131 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(4)]
- 132 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.1.80(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.1.63(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(4)]
Which Month: All Year Statistical Basis: None specified
- 133 Pumps in light liquid service (dual mechanical seal system - sensor): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(6)(i)]
- 134 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.1.71. Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)(6)]
- 135 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.1.63(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1.63(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.1.63(a) through (d). Subpart H. [40 CFR 63.1.63(e)]
Which Month: All Year Statistical Basis: None specified

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136 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.1 63(b)(3) and (e)(4); and the daily requirements of 40 CFR 63.1 63(e)(5). Subpart H. [40 CFR 63.1 63(h)]

Which Months: All Year Statistical Basis: None specified

137 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.1 63(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.1 63(b) through (e). Subpart H. [40 CFR 63.1 63(j)(1)]

138 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.1 63(b) through (e). Subpart H. [40 CFR 63.1 63(j)(2)]

Which Months: All Year Statistical Basis: None specified

139 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.1 62(b) and 40 CFR 63.1 64(h) and (i). Subpart H. [40 CFR 63.1 64(a)]

140 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.1 72; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.1 64(b)]

141 Compressors: Ensure that the barrier fluid is not in liquid service. Subpart H. [40 CFR 63.1 64(c)]

142 Compressors: Equip each barrier fluid system as described in 40 CFR 63.1 64(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.1 64(d)]

143 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.1 64(e)(2)]

144 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.1 71. Subpart H. [40 CFR 63.1 64(g)]

145 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.1 64(a) through (h). Subpart H. [40 CFR 63.1 64(i)(2)]

Which Months: All Year Statistical Basis: None specified

146 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.1 64(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.1 64(g). Subpart H. [40 CFR 63.1 64]

Which Months: All Year Statistical Basis: None specified

147 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.1 80(c). Subpart H. [40 CFR 63.1 65(a)]

Which Months: All Year Statistical Basis: None specified

148 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.1 71. Subpart H. [40 CFR 63.1 65(b)(1)]

149 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.1 80(c). Subpart H. [40 CFR 63.1 65(b)(2)]

Which Months: All Year Statistical Basis: None specified

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- 150 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 151 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 152 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 153 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 154 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 155 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 156 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 157 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 158 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- 159 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 160 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Determine that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 161 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified

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- 162 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Determine that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 163 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
- Which Months: All Year Statistical Basis: None specified
- 164 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 1,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- 165 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 166 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 167 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- 168 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
- 169 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 170 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 171 Closed-vent system (unsafe-to-inspect): Determine that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 172 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- Which Months: All Year Statistical Basis: None specified
- 173 Closed-vent system (difficult-to-inspect): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]

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174 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]

Which Months: All Year Statistical Basis: None specified

175 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

176 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b), if applicable. If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]

Which Months: All Year Statistical Basis: None specified

177 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator, if applicable. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]

Which Months: All Year Statistical Basis: None specified

178 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

179 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]

180 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]

181 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]

182 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. As specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]

Which Months: All Year Statistical Basis: None specified

183 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]

184 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171, if applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]

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185 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]

Which Months: All Month Statistical Basis: None specified

186 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulations specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]

Which Months: All Year Statistical Basis: None specified

187 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Determine that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

188 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]

Which Months: All Year Statistical Basis: None specified

189 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Determine that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]

190 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]

Which Months: All Month Statistical Basis: None specified

191 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

192 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(i). Subpart H. [40 CFR 63.174(c)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

193 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

194 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

195 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-000002-V0
Air - Title V Regular Permit Initial

FUG002 199 - VCM Unit Fugitive Emissions

- 196 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 197 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Determine that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 198 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182.
Subpart H. [40 CFR 63.174(h)(2)]
- 199 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 200 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 201 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k).
Subpart H. [40 CFR 63.181]
- 202 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

GRP017 230A-D - Furnace Emissions [Cap]

- 203 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 204 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 205 Equipment/operational data: Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 206 Nitrogen oxides <= 0.18 lb/MMBTU. Except for EQT082, Emission Source 230D - Furnace D for which Specific Condition #1 applies. [LAC 33:III.2201.D.1]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 207 Nitrogen oxides monitored by technically sound method continuously [LAC 33:III.2201.D]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 208 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.2.a.ii]
- 209 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.2.a.ii]
Which Months: May-Sep Statistical Basis: None specified
- 210 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run. Which Months: May-Sep. [LAC 33:III.2201.H.2.a.iii]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant

Activity Number: PER20050010

Permit Number: 0840-00002-Y0

Air - Title V Regular Permit Initial

GRP017 230A-D - Furnace Emissions [Cap]

- 211 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1.]
- 212 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1.]
- 213 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2.]
- 214 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I.]
- 215 Particulate matter (10 microns or less) Submit report: Due annually, by the 31st of March. Report the total calculated PM10 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 216 Particulate matter (10 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP017, Furnace Cap, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 for the PM10 in the cap shall not exceed 8.72 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 230A through 230D, EQT 79 through EQT 82. [LAC 33:III.501.C.6]
- 217 Particulate matter (10 microns or less) monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 218 Sulfur dioxide Submit report: Due annually, by the 31st of March. Report the total calculated SO2 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 219 Sulfur dioxide: To demonstrate compliance with the SO2 emission limit for the source GRP17, Furnace Emissions Cap, permittee shall calculate the total SO2 tons for a 12-month rolling period. Total SO2 for the SO2 in the cap shall not exceed 0.69 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 230A, 230B, 230C, and 230D. [LAC 33:III.501.C.6]
- 220 Sulfur dioxide monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 221 Nitrogen oxides Submit report: Due annually, by the 31st of March. Report the total calculated NOx emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 222 Nitrogen oxides: To demonstrate compliance with the NOx emission limit for the source GRP17, Furnace Emissions Cap, permittee shall calculate the total NOx tons for a 12-month rolling period. Total NOx for the NOx in the cap shall not exceed 94.17 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 230A, 230B, 230C, and 231D. [LAC 33:III.501.C.6]
- 223 Nitrogen oxides monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-VO
Air - Title V Regular Permit Initial

230A-D - Furnace Emissions [Cap]

- GRP017**
- 224 Carbon monoxide Submit report: Due annually, by the 31st of March. Report the total calculated CO emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 225 Carbon monoxide: To demonstrate compliance with the CO emission limit for the source GRP 17, Furnace Emissions Cap, permittee shall calculate the total CO tons for a 12-month rolling period. Total CO for the CO in the cap shall not exceed 96.42 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 230A, 230B, 230C, and 230D. [LAC 33:III.501.C.6]
- 226 Carbon monoxide monitored by calculations monthly. [LAC 33:III.501.C.6]
- 227 VOC, Total: Statistical Basis: None specified
Which Months: All Year
Total monitored by calculations monthly. [LAC 33:III.501.C.6]
- 228 VOC, Total: Statistical Basis: None specified
Which Months: All Year
Total Submit report: Due annually, by the 31st of March. Report the total calculated VOC emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 229 VOC, Total: To demonstrate compliance with the VOC emission limit for the source GRP 17, Furnace Emissions Cap, permittee shall calculate the total VOC tons for a 12-month rolling period. Total VOC for the VOC in the cap shall not exceed 7.74 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 230A, 230B, 230C, and 230D. [LAC 33:III.501.C.6]
- 230 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the process vent requirements of 40 CFR 63.113 of HON Subpart G is MACT. [LAC 33:III.51.09.A]
- 231 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year
Statistical Basis: None specified
- 232 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 233 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 234 Bypass lines must be continuously monitored for flow indication or a monthly visual inspection of car-seals must be conducted. Permittee shall record that the monthly visual inspection of the seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the by-pass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has broken. Subpart G Flow indication recordkeeping by inspection records monthly. [40 CFR 63.118(a)(4)]
- 235 Permittee shall submit to the Administrator Periodic Reports of all periods recorded under paragraph 40 CFR 63.118(a)(4) in which the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out. The recorded information shall be reported according to the schedule in 40 CFR 63.152.
Subpart G. [40 CFR 63.118(f)(4)]
- GRP018**
- 231A-C - Incinerator Emissions [Cap]**

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP018 231A-C - Incinerator Emissions [Cap]

236 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.101.B]

Which Months: All Year Statistical Basis: None specified

237 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

238 Equipment/operational data: Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

239 Particulate matter (1.0 microns or less) Submit report Due annually, by the 31st of March. Report the total calculated PM10 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

240 Particulate matter (1.0 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP018, Incinerator Cap, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 for the PM10 in the cap shall not exceed 15.67 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 231 A, 231 B, and 231 C. [LAC 33:III.501.C.6]

241 Particulate matter (1.0 microns or less) monitored by calculations monthly. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

242 Sulfur dioxide Submit report Due annually, by the 31st of March. Report the total calculated SO2 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

243 Sulfur dioxide: To demonstrate compliance with the SO2 emission limit for the source GRP 18, Incinerator Emissions Cap, permittee shall calculate the total SO2 tons for a 12-month rolling period. Total SO2 for the SO2 in the cap shall not exceed 0.38 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO2 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 231 A, 231 B, and 231 C. [LAC 33:III.501.C.6]

244 Sulfur dioxide monitored by calculations monthly. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

245 Nitrogen oxides Submit report Due annually, by the 31st of March. Report the total calculated NOx emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

246 Nitrogen oxides: To demonstrate compliance with the NOx emission limit for the source GRP 18, Incinerator Emissions Cap, permittee shall calculate the total NOx tons for a 12-month rolling period. Total NOx for the NOx in the cap shall not exceed 33.12 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 231 A, 231 B, and 231 C. [LAC 33:III.501.C.6]

247 Nitrogen oxides monitored by calculations monthly. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP018 231A-C - Incinerator Emissions [Cap]

- 248 Carbon monoxide Submit report Due annually, by the 31st of March. Report the total calculated CO emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 249 Carbon monoxide. To demonstrate compliance with the CO emission limit for the source GRP 18, Incinerator Emissions Cap, permittee shall calculate the total CO tons for a 12-month rolling period. Total CO for the CO in the cap shall not exceed 0.77 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 231 A, 231 B, and 231 C. [LAC 33:III.501.C.6]
- 250 Carbon monoxide monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 251 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 252 VOC, Total Submit report Due annually, by the 31st of March. Report the total calculated VOC emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 253 VOC, Total: To demonstrate compliance with the VOC emission limit for the source GRP 18, Incinerator Emissions Cap, permittee shall calculate the total VOC tons for a 12-month rolling period. Total VOC for the VOC in the cap shall not exceed 13.65 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. . Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Emission points: 231 A, 231 B, and 231 C. [LAC 33:III.501.C.6]
- 254 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Incinerators are control devices for process vents and storage tanks subject to 40 CFR 63.113 of HON Subpart G. [LAC 33:III.5109.A]
- 255 Vinyl chloride <= 10 ppm. Subpart F. [40 CFR 61.65(b)]
- Which Months: All Year Statistical Basis: Three-hour average
- 256 Vinyl chloride <= 10 ppm as determined by the continuous emission monitor system required under 40 CFR 61.68. Subpart F. [40 CFR 61.65(d)(1)]
- Which Months: All Year Statistical Basis: Three-hour average
- 257 Provide DEQ at least 30 days prior notice of an emission test to afford DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 61.67(b)]
- 258 Submit test results: Due before the close of the next business day following the determination of vinyl chloride emissions. Submit the results by registered letter. Subpart F. [40 CFR 61.67(e)]
- 259 Performance Test Data recordkeeping by electronic or hard copy as needed. Retain at the plant and make available, upon request, for inspection by DEQ, records of emission test results and other data needed to determine emissions. Retain records for a minimum of three years. Subpart F. [40 CFR 61.67(f)]
- 260 Conduct a daily span check for each vinyl chloride monitoring system used, as specified. Subpart F. [40 CFR 61.68(c)]
- 261 Calculate the vinyl chloride content of emissions by best practical engineering judgment based on the discharge duration and known vinyl chloride concentrations in the affected equipment as determined in accordance with 40 CFR 61.67(h) or other acceptable method, for exhaust gases having emission limits that are subject to the requirement of 40 CFR 61.68(a) that are emitted to the atmosphere without passing through the control system and required vinyl chloride monitoring system. Subpart F. [40 CFR 61.68(d)]
- 262 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]

SPECIFIC REQUIREMENTS

All ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP018 231A-C - Incinerator Emissions [Cap]

- 263 Vinyl chloride monitored by continuous emission monitor (CEM) continuously. Monitor emissions from the sources for which emission limits are prescribed in 40 CFR 61.62(a) and (b), 61.63(a), and 61.64(a)(1), (b), (c) and (d), and for any control system to which reactor emissions are required to be ducted in 40 CFR 61.64(a)(2) or to which fugitive emissions are required to be ducted in 40 CFR 61.65(b)(1)(ii) and (b)(2), (b)(5), (b)(6)(ii) and (b)(9)(ii). Use a device that meets the requirements in 40 CFR 61.68(b). Subpart F. [40 CFR 61.68]
- Which Months: All Year Statistical Basis: None specified
- 264 Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Record the information specified in 40 CFR 61.71(a)(1) through (a)(4) and make it available for inspection to DEQ for a minimum of three years. Subpart F. [40 CFR 61.71(a)]
- 265 Each owner or operator of a source subject to subparts F, G, and H or this 40 CFR Part 63 shall keep copies of all applicable reports and records required by subparts F, G, and H in accordance with 40 CFR 63.103(c). Subpart F. [40 CFR 63.103(c)]
- 266 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 267 Halogenated vent streams: Hydrogen halides and halogens >= 99 % reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 268 Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]
- 269 Where an incinerator is used, a temperature monitoring device equipped with a continuous recorder shall be installed in the firebox or in the duct-work immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- 270 Where a scrubber is used with an incinerator in the case of halogenated vent streams, monitoring equipment is required in accordance with 40 CFR 63.114(a)(4)(i,ii). Monitor and record the influent flow to the scrubber and pH of the scrubber effluent. Subpart G. [40 CFR 63.114(a)(4)]
- 271 Bypass lines: As applicable, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 272 Bypass lines: As applicable - Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 273 Permittee is not required to conduct a performance test per 40 CFR 63.116(b)(3) if no process change has been made since the test, or the permittee can demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process changes. Subpart G. [40 CFR 63.116(b)(3)]
- 274 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 275 Permittee shall keep continuous records of the equipment operating parameters specified to be monitored under 40 CFR 63.114(a) and listed in table 3. Records shall be kept up-to-date and readily accessible. Subpart G. [40 CFR 63.118(a)(1)]
- 276 Permittee shall keep records of the daily average value of each continuously monitored parameter for each operating day. Records shall be kept up-to-date and readily accessible. Subpart G. [40 CFR 63.118(a)(2)]
- 277 Permittee shall comply with all applicable recordkeeping requirement of 40 CFR 63.118(f). Subpart G. [40 CFR 63.118(f)]

GRP019 241A-H - EDC Separation Train

- 278 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33.III.2103.A]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP019 241 A-H - EDC Separation Train

279 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]

Which Months: All Year Statistical Basis: None specified

280 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.11 - 7, as applicable. [LAC 33:III.21.03.11]

281 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No additional control is required. [LAC 33:III.501.C.6]

282 Source emits Class II TAP less than the MER. No further control is required. [LAC 33:III.51.09.A]

GRP020 244A-F - EDC Storage Tanks

283 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.1]

Which Months: All Year Statistical Basis: None specified

284 VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.21.03.E.2]

Which Months: All Year Statistical Basis: None specified

285 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.21.03.E]

286 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.21.03.11 - 7, as applicable. [LAC 33:III.21.03.11]

287 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Storage Vessel Requirements of 40 CFR 63.100 & 63.119(a)(2) and (f) of HON Subparts F and G is MACT for this source. [LAC 33:III.51.09.A]

288 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F [40 CFR 61.68(f)]

289 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.119(a)(1)

290 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G [40 CFR 63.119(a)(2)]

291 Submit Periodic Reports as required by 40 CFR 63.1.52(c). Include the information specified in 40 CFR 63.1.22(d), (e), (f), and (g) as applicable. Subpart G. [40 CFR 63.1.22(a)(4)]

292 Submit, as applicable, other reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(h) as applicable. Subpart G. [40 CFR 63.1.22(a)(5)]

293 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.1.23(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group I status and is in operation. Subpart G. [40 CFR 63.1.23]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP021 247A-E - Process Water Storage Tanks

- 294 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified
- 295 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 296 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 297 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Storage Vessel I Requirements of 40 CFR 63.100 & 63.119(a)(2) and (f) of HON Subparts F and G is MACT for this source. [LAC 33:III.5109.A]
- 298 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 299 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71 (a). Subpart F. [40 CFR 61.68(f)]
- 300 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.119(a)(1)
- 301 Operate and maintain closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.119(a)(2)
- 302 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 303 Submit Periodic Reports as required by 40 CFR 63.152(c). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g) as applicable. Subpart G. [40 CFR 63.122(a)(4)]
- 304 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h) as applicable. Subpart G. [40 CFR 63.122(a)(5)]
- 305 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]
- ### GRP022 248A-G - Process Water Storage Tanks
- 306 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified
- 307 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 308 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 309 Vinyl chloride <= 10 ppm, except as provided in 40 CFR 61.65(a). Subpart F. [40 CFR 61.63(a)]
Which Months: All Year Statistical Basis: Three-hour average

SPECIFIC REQUIREMENTS

AJ ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER 20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP022 248A-G - Process Water Storage Tanks

310 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. For each vinyl chloride emission to the atmosphere determined in accordance with 40 CFR 61.68(e) to be in excess of the applicable emission limits, record the identity of the source(s), the date, time and duration of the excess emission, the cause of the excess emission, and the approximate total vinyl chloride loss during the excess emission, and the method used for determining the vinyl chloride loss. Retain and make available for inspection by DEQ as required by 40 CFR 61.71(a). Subpart F. [40 CFR 61.68(f)]

GRP023 245A and 245B - Heavy Ends Storage Tanks

- 311 VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]
Which Months: All Year Statistical Basis: None specified
- 312 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]
- 313 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.11.7, as applicable. [LAC 33:III.2103.11]
- 314 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the FPC Air Toxics Compliance Plan, compliance with the Storage Vessel Requirements of 40 CFR 63.100 & 63.119(a)(2) and (f) of HON Subparts F and G is MACT for this source. [LAC 33:III.5109.A]
- 315 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.119(e). Subpart G. [40 CFR 63.119(a)(1)]
- 316 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.119(h). Subpart G. [40 CFR 63.119(a)(2)]
- 317 Submit a Notification of Compliance Status as required by 40 CFR 63.1.52(b). Include the information specified in 40 CFR 63.1.22(c). Subpart G. [40 CFR 63.1.22(a)(3)]
- 318 Submit Periodic Reports as required by 40 CFR 63.1.52(c). Include the information specified in 40 CFR 63.1.22(d), (e), (f), and (g) as applicable. Subpart G. [40 CFR 63.1.22(a)(4)]
- 319 Submit, as applicable, other reports as required by 40 CFR 63.1.52(d). Include the information specified in 40 CFR 63.1.22(h) as applicable. Subpart G. [40 CFR 63.1.22(a)(5)]
- 320 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.1.23(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group I status and is in operation. Subpart G. [40 CFR 63.1.23]
- ### GRP024 Cooling Towers
- 321 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 322 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Per the Air Toxics Compliance Plan, compliance with the heat exchange system requirements of 40 CFR 63.104 of HON Subpart F is MACT. [LAC 33:III.5109.A]
- 323 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.1.03(c)(1)]
- 324 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

SPECIFIC REQUIREMENTS

AJ ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

Cooling Towers

GRP024

- 325 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 326 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]

Which Months: All Year Statistical Basis: None specified

- 327 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

- 328 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

- 329 Maintenance wastewater: As applicable, implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]

- 330 Maintenance wastewater: As applicable - Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]

- 331 Maintenance wastewater: As applicable, prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the waste waters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.105]

- 332 Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. [40 CFR 63.402]

- 333 Achieve compliance with the requirements of 40 CFR 63.402 upon initial startup. Subpart Q. [40 CFR 63.403(c)]

GRP029 VCM Unit

- 334 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1 103]

- 335 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1 109.B]

- 336 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1 303. B]

- 337 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.211.3. A.1.-5. [LAC 33:II.211.3.A]

- 338 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.21.9]

- 339 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

- 340 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP029 VCM Unit

- 341 Carbon monoxide <= 97.19 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 342 Nitrogen oxides <= 127.29 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 343 Particulate matter (10 microns or less) <= 46.66 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 344 Sulfur dioxide <= 1.07 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 345 VOC, Total <= 98.55 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 346 1,1,1-Trichloroethane <= 0.69 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 347 1,2-Dichloroethane <= 43.86 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 348 Carbon tetrachloride <= 0.91 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 349 1,1,2,2-Tetrachloroethane <= 0.18 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 350 1,1,2-Trichloroethane <= 2.09 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 351 1,1-Dichloroethane <= 0.71 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 352 Benzene <= 0.70 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 353 Chlorine <= 60.61 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 354 Chloroform <= 1.36 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 355 Chloroprene <= 0.70 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 356 Hydrochloric acid <= 10.19 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 357 Methyl chloride <= 0.43 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 358 Tetrachloroethylene <= 1.18 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 359 Trichloroethylene <= 1.81 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum
- 360 Vinyl chloride <= 16.26 tons/yr. [LAC 33:III.501.C.6]
 Which Months: Phases: Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 288 - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP029 VCM Unit

- 361 Ammonia <= 2.56 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 362 Bromoform < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 363 Dichloromethane <= 0.34 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 364 Chlorobenzene <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 365 Chlorinated dibenzofurans <= 0.00003 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 366 Chloroethane <= 0.87 tons/yr. [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: Annual maximum
- 367 Chlorinated dibenzo-p-dioxins <= 0.000002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year. Statistical Basis: Annual maximum
- 368 The requirements in Part 70 Permit #0840-00002-V0 supersede the requirements in the Formosa Plastics Corporation Air Toxics Compliance Plan for all sources. [LAC 33:III.501.C.6]
- 369 Applicability of each specific requirement in this permit shall be determined in accordance with the regulation(s) referenced in each specific requirement. [LAC 33:III.501.C.6]
- 370 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 371 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 372 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.501.C.6]
- 373 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 374 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 375 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 376 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 377 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

SPECIFIC REQUIREMENTS

AI ID: 28B - Formosa Plastics Corp Louisiana - Baton Rouge Plant
Activity Number: PER20050010
Permit Number: 0840-00002-V0
Air - Title V Regular Permit Initial

GRP029 VCM Unit

- 378 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:1.3923. [LAC 33:III.5107.B.3]
- 379 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]
- 380 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 381 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:1.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 382 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 383 Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109. [LAC 33:III.5111.A.3]
- 384 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]
- 385 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 386 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 387 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 388 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 389 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 390 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 391 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 392 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 393 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 394 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 395 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 396 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 397 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

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- 398 Submit notification in writing. Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 399 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 400 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 401 Submit report. Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 402 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 403 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 404 Submit plan. Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 405 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 406 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 407 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 408 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 409 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 410 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 411 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 412 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 413 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 414 Submit amended registration. Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 415 Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the formats specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 416 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

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- 417 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 418 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 419 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 420 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 421 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 422 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.5(b)]